

Pro
Solutions

 **BZBGear**[®]
Pro

A large, abstract graphic on the left side of the cover. It consists of a dense field of red dots arranged in a pattern that resembles a stylized gear or a series of concentric, slightly offset circles, creating a sense of depth and motion. The dots are more concentrated in the center and become sparser towards the edges.

Catalog 2026

Solutions to Amplify
Your World

bzbgear.com

ABOUT BZBGear

Founded in 2019 and headquartered in Sacramento, California, BZBGear® has quickly emerged as a global leader and one-stop manufacturer of professional AV and broadcasting solutions. Dedicated to delivering excellence, BZBGear focuses on combining innovative design, exceptional user experience, and unparalleled lifetime product support.

Each solution is meticulously crafted by a team of expert hardware and software engineers to ensure superior quality and cutting-edge functionality. Recognized for its award-winning products and industry-leading support, BZBGear has become the go-to choice for AV and broadcast applications, trusted by professionals worldwide.

WHAT BZBGear HAS TO OFFER

BZBGear delivers comprehensive professional AV and broadcasting solutions, including live streaming and video production products. Our mission extends beyond providing exceptional gear—we pride ourselves on unparalleled customer service and reliable seven-days-a-week technical support. Our team is celebrated for delivering outstanding assistance and ensuring customer satisfaction at every step.

At BZBGear, we prioritize our customers' needs and concerns, offering the highest level of professional support. By fostering relationships built on integrity and trust, we approach every interaction with honesty and fairness, always striving to place ourselves in our clients' shoes.

Our vision is to make cutting-edge AV technology accessible to everyone at a fair price. Because everyone deserves to see, hear, and experience the remarkable advancements of today's AV world

Gear up with BZBGear!



youtube.com/c/bzbtvchannel



facebook.com/bzbgear



x.com/BZBGear



linkedin.com/company/bzbgear



instagram.com/bzbgear



www.bzbgear.com

LIMITED PRODUCT WARRANTY TERMS

Pro Line: 5-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

Essential Line: 3-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

Cables: Lifetime Limited Product Warranty.

For complete warranty information, please visit bzbgear.com/warranty.

For questions, please call **1.888.499.9906** or email support@bzbgear.com.

BZBGear WARRANTY

Pro Line Product

5-YEAR WARRANTY

Essential Line Product

3-YEAR WARRANTY

Cables Product

LIFETIME WARRANTY

BZBGear AWARDS

BZBGear takes pride in its portfolio of award-winning products, recognized at numerous prestigious trade show events. These accolades reflect the innovation, quality, and performance that define our solutions. Explore what sets our award-winning products apart and discover why professionals worldwide trust BZBGear for their AV and broadcasting needs!

2025 AWARDS



PRO AV BEST IN MARKET AWARDS 2025



BEST OF SHOW AWARDS AT IBC 2025



BEST OF SHOW AWARDS AT IBC 2025



CE PRO BEST PRODUCT AWARD 2025



BEST OF SHOW AWARDS AT CEDIA 2025



BEST OF SHOW AWARDS AT CEDIA 2025



BEST OF SHOW AWARDS AT INFOCOMM 2025



COMMERCIAL INTEGRATOR BEST AWARDS 2025



2025 SCN STELLAR SERVICE AWARDS



TOP NEW TECHNOLOGY (TNT) AWARD 2025



BEST OF SHOW AT ISE 2025

2024 AWARDS



SVC INNOVATIVE PRODUCTS: READERS' CHOICE 2024



MEDIA & ENTERTAINMENT: BEST IN MARKET 2024 AWARDS



PRO AV BEST IN MARKET AWARDS 2024



BEST OF SHOW - IBC2024



BEST OF SHOW - CEDIA 2024



AV AWARDS 2024 - FINALIST



COMMERCIAL INTEGRATOR BEST AWARDS 2024



SCN INSTALLATION PRODUCT AWARDS 2024



2024 SCN STELLAR SERVICE AWARDS



BEST OF SHOW - NAB SHOW 2024: SOUND & VIDEO CONTRACTOR WINNER



TOP 5 PRODUCTS FOR CHURCHES FROM NAB 2024



2024 INAVATION AWARDS TECHNOLOGY FINALIST - ISE 2024



BEST OF SHOW - ISE 2024: AV TECHNOLOGY WINNER



BEST OF SHOW - ISE 2024: SOUND & VIDEO CONTRACTOR WINNER



BEST OF SHOW - ISE 2024: RESIDENTIAL SYSTEMS WINNER



2024 TOP NEW TECHNOLOGY (TNT) AWARD

2023 AWARDS



2023 BEST IN MARKET AWARDS FOR MEDIA AND ENTERTAINMENT - TV TECH



BEST IN-FIELD INTEGRATOR PRODUCT - RAVE AGENCY - CIX 2023



BEST OF SHOW - IBC 2023



PROCESSING AND DISTRIBUTION TECHNOLOGY OF THE YEAR - AV AWARDS 2023 FINALIST



INFOCOMM BEST OF SHOW - TECH & LEARNING MAGAZINE BEST OF SHOW INFOCOMM WINNERS 2023



INFOCOMM BEST OF SHOW - SVC BEST OF SHOW INFOCOMM WINNERS 2023

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AV OVER IP

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Audio

Audio Amplifiers

BZBGEAR AUDIO AMPLIFIERS

A BZBGEAR audio amplifier is a device that takes weak audio signals and boosts them to a level that can drive audio output systems, ensuring the sound is at the desired volume and quality. It enhances the overall audio experience by improving clarity and loudness.

BZBGEAR Audio Amplifiers are designed for optimal performance, with compact and efficient Class-D digital technology. These amplifiers offer flexible configurations, including stereo, dual-mono, and bridge-mono modes, making them suitable for various audio setups. Their space-saving design is ideal for installations with limited room, delivering powerful, high-quality sound.

Additionally, BZBGEAR amplifiers include integrated microphone mixers, allowing users to blend microphone input with other audio sources, which is especially useful for paging systems and other live audio applications. They support various impedance options, such as 4Ω, 8Ω, 70V, and 100V, making them versatile for a range of audio needs.



ADJUSTABLE EQ



MICROPHONE
INPUT



COMPACT
AND DURABLE

BG-AMP2X20

2-CHANNEL 40W 4/8 OHMS STEREO/MONO AUDIO AMPLIFIER

The BG-AMP2X20 is a versatile and compact bridgeable digital stereo amplifier (Class-D). Perfect for installations with limited space, it can be operated in three different configurations. In stereo configuration the amplifier outputs 2x20 watts at 4 Ohms. The selector switch also allows for dual-mono operation for distributed audio applications. In bridge-mono configuration it can double the output to 40 watts at 8 Ohms.

Inputs include 1 x stereo RCA, 1 x 3.5mm, and a microphone input with switchable 48v phantom power. Bass, Treble, volume level, and input selection are all controllable via the integrated buttons on the bottom panel, IR remote control, or RS-232.

The features and performance combined with its compact form factor make this amplifier the perfect solution for situations that don't allow a full-sized amplifier.



Check out this item
on our website

Features



MICROPHONE INPUT

3-level Mic input with mixer function



AMPLIFY YOUR SOUND

Outputs Stereo 20Watt@4 Ohms or bridged mono 40Watt@8 Ohms



COMPACT

Small form factor ideal where full-sized amplifiers will not fit



MULTIPLE CONTROL OPTIONS

Take control using RS232, IR, or push buttons



DURABLE

Metal enclosure designed to last for years



BASS, TREBLE, & VOLUME

Control bass, treble and volume levels conveniently using integrated push buttons



BG-AMPC40

2-CHANNEL 40W 70/100V STEREO/MONO AUDIO AMPLIFIER

The BG-AMPC40 is a 40-Watt digital stereo amplifier (Class-D) with switchable output of 70V or 100V. Inputs include 2 stereo inputs (1x3.5mm port for line in, 2xRCA for L&R), 1 TOSLINK input, and 1 balanced MIC input. The 3-pin MIC input has selectable 48V phantom power, supports balanced or unbalanced signals, and features external noise suppression.

Integrated functions include ducking, EQ control, and MIC mixer. The rotary knob allows users to choose from 16 IR ID codes for easy control of multiple amplifiers. The front panel has controls for input selection, volume level for MIC and Line inputs, and bass/treble adjustment. This amplifier can be controlled with RS232 commands in addition to the front panel buttons and IR commands.

- Fast switching speed for good performance
- 16 ID codes for controlling between different amplifiers
- Convection cooler, fan is not needed
- MIC port can support balance/unbalance signal, suppress the external noise effectively



Check out this item
on our website

Features



MICROPHONE INPUT

3-level Mic input with mixer function



AMPLIFY YOUR SOUND

Outputs 40Watts at either 70V or 100V



COMPACT

Small form factor ideal where full-sized amplifiers will not fit



MULTIPLE CONTROL OPTIONS

Take control using RS232, IR, or push buttons



DURABLE

Metal enclosure designed to last for years



BASS, TREBLE, & VOLUME

Control bass, treble and volume levels conveniently using integrated push buttons



BG-AMP150WD

150W CLASS D AMPLIFIER/DIGITAL SIGNAL PROCESSOR WITH DANTE RS-232/LAN AND WEB GUI CONTROL

The BG-AMP150WD is a versatile two-channel amplifier that harnesses the power of class D amplifier technology, offering outstanding performance and efficiency. Perfectly designed for both low impedance ($4\Omega/8\Omega$) stereo systems and constant voltage (100V and 70V) configurations, this amplifier delivers robust and reliable audio solutions for a wide range of AV installations. With a maximum power output of 2 x 75 watts in stereo mode and up to 150 watts when bridged, the BG-AMP150WD is engineered to meet the demands of modern audio environments.

The BG-AMP150WD utilizes advanced class D technology, delivering up to 2 x 75 watts in low impedance ($4\Omega/8\Omega$) stereo mode and 150 watts in bridged high impedance (70V/100V) mode. It features Dante 2-channel digital audio inputs and outputs, along with balanced and unbalanced line-level analog inputs and outputs for versatile connectivity, including 1x Dante Network audio input, 1x LINE balanced stereo 0dBu/10k Ω input, 1x Dante Network audio output, and 1x Stereo or constant voltage 70V/100V speaker output.



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on our website

Features

DANTE 2-CHANNEL DIGITAL AUDIO

Supports digital audio input and output via Dante, ensuring high-quality sound transmission and interoperability with other Dante-enabled devices



FLEXIBLE ANALOG INPUTS/OUTPUTS

Includes balanced or unbalanced line-level analog inputs and outputs, providing versatile connectivity options for various audio sources and setups



BUILT-IN DSP PROCESSOR

Features a built-in Digital Signal Processor (DSP) for advanced audio processing capabilities, allowing fine-tuning of sound quality to match specific installation needs



INDEPENDENT CONTROL OPTIONS

Offers independent input gain, output EQ, and volume control, enabling precise audio adjustments for optimal performance



HIGH-QUALITY CONVERSION

Equipped with 48KHz sampling rate and 24-bit independent A/D and D/A converters, ensuring pristine audio quality



CONTROL OPTIONS

Provides flexible control via RS-232, LAN, and a Web GUI, allowing for easy integration and remote management in complex AV systems



Audio

Audio Extenders

BZBGEAR AUDIO EXTENDERS

BZBGEAR audio extenders provide an effective solution for transmitting audio over long distances when standard cables can't reach. They feature both analog-to-digital and digital-to-analog converters, ensuring compatibility with various source devices and amplifiers.

These extenders can carry a stereo analog signal up to 170 meters (557 feet) or a digital audio signal (TOSLINK or COAX) up to 290 meters (950 feet).



EXTENSION OVER 900 FT
(274 METERS)



MULTIPLE AUDIO
FORMATS SUPPORTED



COMPACT
AND DURABLE

BG-AUD-TCS

STEREO/TOSLINK/COAX AUDIO EXTENDER (TRANSMITTER/RECEIVER KIT) OVER CAT5E/6/7 CABLE

The BG-AUD-TCS is a compact audio extender designed to transmit audio signals up to 290 meters (950 feet) over a single category cable. It can transmit an analog stereo signal up to 170 meters (555 feet), and TOSLINK or digital coax signal up to 290 meters. The transmitter is equipped with 1-TOSLINK, 1-COAX, and 1-3.5mm stereo input. The front panel switch provides manual input selection. The power over cable function eliminates the need for a power supply at the receiver.



Check out this item
on our website

Features



RUGGED DESIGN

Durable metal enclosure design for years of use



CONTROL

Select which audio source is playing via the toggle switch



LONG DISTANCE

Send a digital audio signal up to 950ft



POC

Power over Cable means you only need to power the receiver simplifying installation



AUDIO FORMATS

Supports major audio formats Dolby, DTS, and PCM



MULTIPLE INPUTS/OUTPUTS

Choose from TOSLINK, COAX, or Stereo 3.5mm/RCA for connections



Audio

Digital Signal Processors

BZBGEAR AUDIO DSP

The BZBGEAR Audio DSP solutions offer a range of tools for precise audio signal control, including modules like Expander, Equalizer, Compressor, Auto Gain Control, Limiter, High Pass Filter, Low Pass Filter, and Delay. These features allow users to fine-tune and manipulate audio to achieve optimal sound quality. Additionally, the DSP units include advanced audio matrixing for input routing and auto-mixing for microphone inputs. The system is managed through an intuitive software interface, making control and customization easy for users.

Audio DSP works by converting analog audio signals into a digital format, which are then processed using mathematical operations to enhance audio quality. This enables precise control over the sound characteristics, allowing for a tailored audio experience.



ADVANCED DSP
MANAGEMENT



SOPHISTICATED
AUDIO MIXING



AUDIO
MATRIXING

BG-A88M

8X8 BALANCED DIGITAL AUDIO PROCESSOR/MATRIX WITH AEC/ANS/AGC/AUTO MIXER AND 8-CHANNEL PROGRAMMABLE GPIO SUPPORT

This digital audio processor is designed to enhance the audio quality in a variety of settings where multiple speakers are present and clear communication is essential. It provides eight MIC/line inputs and eight linear outputs, allowing you to connect a wide range of audio sources and destinations. Its advanced algorithms, including full-band Adaptive Echo Cancellation (AEC), Adaptive Noise Suppression (ANS), Automatic Gain Control (AGC), and Auto Mixer, work together to produce clear, clean, and resonant sound with a high signal-to-noise ratio.

This processor is easy to use, with no need for additional software. It is ready to use right out of the box, making it an excellent choice for project implementation and testing. It can be applied in a variety of settings and industries, including smart system integration in small to medium-sized conference rooms, instruction recording and distance teaching in education, court trial recording and virtual court trials in the judiciary, surgery recording and video consultations in healthcare, and command center establishment in governmental projects.



Check out this item
on our website

Features



ADVANCED DSP

Manipulate and enhance audio signals with essential modules like Expander, Equalizer, Compressor, and more, ensuring optimal audio quality and control



QUALITY AUDIO CONVERSION

Achieve high-quality audio output with a 48kHz sampling rate and 24-bit A/D or D/A conversion



ECHO CANCELLATION

Clear audio communication and minimized feedback issues with built-in echo cancellation



ADAPTIVE FEEDBACK

Mitigate feedback problems and improve audio performance with adaptive feedback suppression



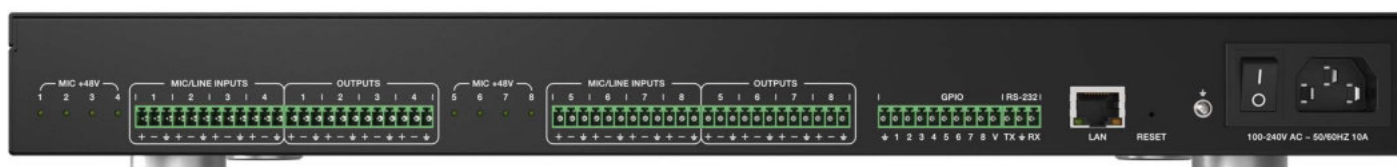
ADAPTIVE NOISE REDUCTION

Enhance audio clarity and signal-to-noise ratio with dynamic noise reduction technology



AUTO MIXER FUNCTION

Seamless audio mixing in scenarios with multiple microphones and adjustable priority settings



BG-A1616MD

16X16 BALANCED DIGITAL AUDIO PROCESSOR/MATRIX WITH 12-CHANNEL MIC LINE IN/OUT AND 4-CHANNEL DANTE IN/OUT PLUS AEC/ANS/FILTER/LIMITER/EQ/DELAY SUPPORT

The BG-A1616MD Digital Audio Processor is a versatile solution designed for video conferences, distance learning, and telemedicine applications. With its advanced features and intelligent algorithms, this processor delivers exceptional audio quality and seamless control. It is equipped with 12-ch MIC/linear inputs, 12-ch linear outputs, and four DANTE ports for low-latency audio processing. This powerful processor is ready to use immediately, ensuring hassle-free installation and project implementation.

The BG-A1616MD Digital Audio Processor incorporates a range of advanced audio processing features. It includes full-band Adaptive Echo Cancellation (AEC), which effectively eliminates echoes for clear and resonant sound. The Adaptive Noise Suppression (ANS) technology reduces background noise, ensuring clean audio signals. The Automatic Gain Control (AGC) feature adjusts the microphone input levels automatically, maintaining a consistent volume. Additionally, the Auto Mixer function allows you to prioritize microphone inputs when multiple microphones are used simultaneously.



2024 INAVATION AWARDS
TECHNOLOGY FINALIST - AUDIO
(NON-LOUDSPEAKER) - ISE 2024



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Features



DANTE PORTS

Four DANTE ports for low-latency audio processing



AUTO MIXER

For prioritizing microphone inputs



QUALITY CONTROL

Adaptive feedback suppression, full-band acoustic echo cancellation, and dynamic adaptive noise reduction technologies



DSP MODULES

Fine-tuning audio signals with DSP modules (Expander, Equalizer, Compressor, Auto Gain Control, Limiter, High Pass Filter, Low Pass Filter, and Delay)



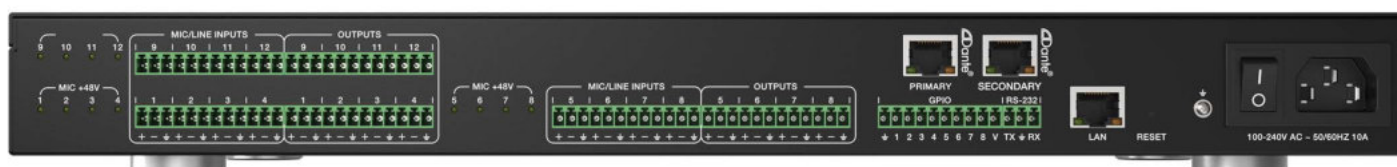
WINDOWS COMPATIBILITY

Seamless compatibility with Windows 7 and Windows 10 platforms



ADVANCED CONTROL

Advanced control capabilities through RS-232 serial commands control



Audio

Conference Speakers/Microphones

BZBGEAR CONFERENCE SPEAKERS AND MICROPHONES

BZBGEAR offers a range of high-performance conference room microphones and speakerphones designed to elevate communication during meetings and presentations. Featuring advanced 360° audio pickup, these devices capture sound from all corners of the room with impressive range, allowing participants to speak naturally without needing to raise their voices.

The all-in-one speakerphones integrate both microphone and loudspeaker, enabling seamless communication for multiple participants without the need for headsets. This makes them ideal for conference rooms, where group discussions can take place effortlessly.

BZBGEAR's conferencing solutions also incorporate cutting-edge echo cancellation technology, ensuring crystal-clear audio by eliminating feedback and background noise. With these features, BZBGEAR enhances communication quality for both virtual and in-person meetings, creating an optimal audio experience for all participants.



**360° AUDIO
PICKUP**



**ACTIVE ECHO
CANCELLATION**



**LED STATUS
INDICATORS**

BG-MIC-U1

UNIVERSAL AND COMPACT USB CONFERENCE MICROPHONE

The BG-MIC-U1 is a USB conferencing microphone. It features a dual color LED indicator, a push ON/OFF switch and an electret cardioid condenser capsule. The internal shock mount minimizes mechanical noise for crystal-clear sound reproduction. Integrated mounting holes allow for wall or ceiling placement for a clean installation. Simply connect with a USB type B to USB type A cable for plug and play operation.



[Check out this item on our website](#)

Features



BOUNDARY MICROPHONE

The boundary microphone is designed for conference, house of worship, and theater applications



MINIMUM NOISE

Internal shock mount minimizes mechanical noise



LED indicator

The BG-MIC-U1 features dual color LED indicator, membrane ON / OFF switch and back electric cardioid condenser capsule



BG-OMNITALK-PRO

USB/BLEETOOTH WIRELESS DESKTOP CONFERENCE
SPEAKERPHONE WITH 360 AUDIO PICKUP UP TO 20FT

The BG-OMNITALK-PRO is a versatile USB Wireless Bluetooth Conference Speakerphone designed for professional communication. It offers flexible connectivity options, including USB, Bluetooth, AUX, and dongle connections. Equipped with four omnidirectional microphones, it captures voices within a 6-meter radius, ensuring clear communication. Featuring adaptive high-definition amplification technology, the speakerphone enhances audio quality. Its compact design includes touchscreen controls and an LCD screen, making it portable and user-friendly. The built-in 8000mAh lithium battery provides up to 14 hours of music playback or 24 hours of talk time, supporting fast charging.

The device excels in delivering crystal-clear conversations, incorporating HD Voice, wideband audio, noise reduction, and full-duplex technology. It's compatible with various communication applications and platforms, supporting multiple operating systems. Ideal for mid-sized meetings, the speakerphone accommodates up to 15 participants in spaces of 15-30 square meters. With its smart design and advanced features, it's a reliable tool for professional audio conferencing.



[Check out this item
on our website](#)

Features



BLUETOOTH & USB TYPE-C PLUG N PLAY

6 meters pick-up range, support
USB-C connection and Bluetooth
connection



4 OMNIDIRECTIONAL MICROPHONES

Hear and be heard with a 360-
degree microphone that picks up
sounds from any angle



INNOVATIVE UX DESIGN

Boasts sleek touch buttons, while
its LCD screen presents essential
information such as battery power,
Bluetooth connectivity, speaker
volume, and microphone sensitivity



8000MAH (BUILT-IN LITHIUM BATTERY)

Music time (up to 14hours); Battery
life(call) up to 24 hours; Fastest
Charge time: 3 hours, Regularly 6
hours; (Support PD2.0/3.0 charging
with maximum power up to 18W)



HD VOICE/WIDEBAND AUDIO

HD Voice offers you life-like, vibrant
conversations. You will not have to
struggle to hear from others



HIGH COMPATIBILITY

It can work with most video
conference applications and UC
platforms, simply plug and play. To
enjoy video conference immediately



AV over IP

AVoIP

BZBGear AUDIO/VIDEO OVER IP

BZBGear AV over IP (Audio-Visual over Internet Protocol) solutions enable the seamless transmission of high-quality audio and video data over networks like LAN, WAN, or the Internet. These solutions are highly scalable, allowing for the interconnection of an virtually unlimited number of devices. The core components of an AV over IP system include a control box, transmitters, receivers, and a network switch. The control box acts as the central hub, providing remote control and monitoring. Transmitters capture video signals from the source and transmit them across the network, while receivers ensure that these signals reach the appropriate output devices such as TVs, monitors, or projectors. The network switch efficiently routes signals between devices, ensuring smooth communication across the system.

One of the primary advantages of AV over IP is its scalability, making it ideal for setups ranging from small offices to large enterprise networks. Additionally, AV over IP solutions offer remote management, enabling users to control and monitor the system from any location with a network connection. The system is also future-proof, easily adapting to advancements in both network and AV technology. AV over IP solutions are commonly used in a wide range of applications, including home entertainment, commercial environments, video walls, and matrix systems. These solutions support high-quality video resolutions up to 4K at 60Hz and deliver intuitive, scalable performance. Our AV over IP systems also include various connectivity options such as HDMI, analog audio, USB, and more, ensuring seamless integration with existing network infrastructures.



SCALABLE SYSTEM
DESIGN



4K VIDEO
SUPPORT



FUTURE-PROOF

BG-IPGEAR-XTREME-W

4K UHD HDMI OVER IP MULTICAST WALL PLATE WITH SEAMLESS MATRIX SWITCHING/MULTIVIEW/KVM/USB 3.0/POE SUPPORT

The BG-IPGEAR-XTREME-W HDMI 2.1 Over IP Multicast Wall Plate System is a high-performance AV transmission solution designed to extend Ultra-HD 4K@120Hz 4:4:4 video and high-fidelity audio over long distances via standard Cat.5e cable. Supporting distances of up to 100 meters (330 feet) over copper, this system ensures uncompressed, high-quality transmission from HDMI sources such as Apple TV, PlayStation, Xbox, PCs, and other HDMI-enabled devices to remote displays.

With support for USB-C (Alt Mode DP 1.4), HDMI, and DisplayPort input, the BG-IPGEAR-XTREME-W is ideal for professional AV installations in corporate environments, digital signage, healthcare, gaming, and education sectors. The unit features bi-directional IR pass-through, USB 3.1 for UVC devices, and seamless video switching, making it a robust choice for interactive and multi-display setups.

By utilizing a 1 Gigabit Ethernet network switch with IGMP Snooping support, this system enables flexible video distribution in point-to-point, point-to-multipoint, and multicast configurations. Additionally, the built-in 802.1Q VLAN functionality allows for remote control of multiple devices, ensuring an efficient and scalable deployment.



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Features



HDMI 2.1 & HDCP 2.3

Delivers 4K@120Hz 4:4:4 with up to 40Gbps (FRL 5), HDR, VRR, ALLM, and eARC/ARC for premium video and audio



EXTENDED TRANSMISSION

Transmits uncompressed video and 7.1-channel audio up to 100m (330ft) over Cat.5e with zero degradation and auto equalization



FLEXIBLE CONNECTIVITY

Features HDMI, USB-C (DP 1.4 Alt Mode), 3.5mm audio, RJ-45 Ethernet, and USB 3.1 Gen1/Gen2 for peripherals and UVC webcams



ADVANCED VIDEO PROCESSING

Supports ultra-low latency switching, PiP, PbP, PoP (Chroma Key), and custom scaling for optimized display performance



NETWORK & CONTROL INTEGRATION

Enables IGMP Snooping, 802.1Q VLAN, bi-directional IR, RS-232, CEC bypass, EDID management, and software updates



RELIABLE BUILD

Compact metal enclosure with wall-mount support and ESD protection



BG-IPGEAR-XTREME-F

HDMI 2.1 OVER FIBER EXTENDER WITH BI-DIRECTIONAL IR, RS-232, 1G ETHERNET, USB 3.1 & KVM SUPPORT

The BG-IPGEAR-XTREME-F is a cutting-edge HDMI 2.1 over fiber extender designed for mission-critical AV transmission in broadcast, medical imaging, eSports, control rooms, and high-end home theater applications. With support for uncompressed 4K60 4:4:4 and visually lossless DSC-compressed 4K144 4:4:4, it also enables 8K@30Hz 4:4:4 transmission, ensuring next-generation video performance with zero-frame latency over distances up to 10km (6.25 miles) via single-mode fiber optic cable.

Beyond video, this extender provides full-featured connectivity with bi-directional IR, full-duplex RS-232, USB 3.1 KVM, eARC/ARC, and 1Gb Ethernet pass-through. With its interference-free fiber optic transmission, the BG-IPGEAR-XTREME-F is engineered to deliver the ultimate in high-resolution video, data, and control extension over long distances.

For next-generation gaming and media applications, the BG-IPGEAR-XTREME-F supports Variable Refresh Rate (VRR) for smooth, tear-free motion, Auto Low Latency Mode (ALLM) for instant response, and eARC/ARC pass-through for lossless Dolby Atmos and DTS:X audio transmission.



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Features



8K & 4K HDR SUPPORT

Transmits up to 8K@30Hz 4:4:4, 4K@144Hz 4:4:4 DSC, and 4K@60Hz 4:4:4 uncompressed for pristine image quality



HDMI 2.1 & HDCP 2.3 COMPLIANCE

Ensures compatibility with gaming consoles, media servers, professional video switchers, and AV processors



48GBPS VIDEO BANDWIDTH (FRL 6)

Provides high-speed, zero-latency transmission for next-generation AV applications



DISPLAYPORT 1.4 (USB-C ALT MODE) INPUT SUPPORT

Connects directly to USB-C-enabled laptops, tablets, and workstations



UNCOMPRESSED 7.1CH HDMI AUDIO

Supports Dolby TrueHD, DTS-HD Master Audio, and LPCM formats



EARC/ARC PASS-THROUGH

Enables lossless Dolby Atmos and DTS:X audio transmission from displays to AV receivers



BG-IPGEAR-XTREME

4K UHD HDMI OVER IP MULTICAST SYSTEM WITH SEAMLESS MATRIX SWITCHING/MULTIVIEW/KVM/USB 3.1/POE

The BZBGEAR BG-IPGEAR-XTREME Series delivers next-generation HDMI 2.1 over IP performance, enabling uncompressed 4K@120Hz 4:4:4 video, multi-channel audio, and KVM functionality over standard Cat.5e/6 cabling up to 100 meters. Designed for high-end AV environments, this system supports point-to-point, point-to-multipoint, and multicast configurations, providing seamless video switching, ultra-low latency, and flexible scalability.


With bi-directional IR, RS-232, and USB 3.1 Gen1/Gen2 integration, it's the ideal solution for digital signage, corporate AV, broadcast, gaming, and command center applications.




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Features

 **HDMI 2.1 & HDCP 2.3 COMPLIANCE**
Ensures compatibility with the latest high-definition content protection standards

 **4K@120HZ 4:4:4 VIDEO TRANSMISSION**
Provides ultra-high-definition video with crystal-clear clarity and exceptional color depth

 **VRR (VARIABLE REFRESH RATE) & ALLM (AUTO LOW LATENCY MODE)**
Enhances gaming and interactive applications with smooth frame rates and reduced latency

 **LONG-DISTANCE TRANSMISSION**
Extends HDMI signals up to 100m (330ft) over Cat.5e cabling

 **ADVANCED AUDIO SUPPORT**
Delivers uncompressed 7.1-channel digital HDMI audio, including DTS-HD Master Audio and Dolby TrueHD

 **INTELLIGENT NETWORK MANAGEMENT**
Works with managed 1GbE switches supporting IGMP Snooping & 802.1Q VLAN for multicast optimization



BG-IPGEAR-XTREME-PRO

8K UHD AV OVER IP MULTICAST TRANSCIVER WITH SEAMLESS MATRIX SWITCHING/VIDEO WALL/MULTIVIEW/ KVM/USB 3.0/POE SUPPORT

The BG-IPGEAR-XTREME-PRO is a high-performance HDMI 2.1 over IP multicast transceiver system designed for seamless AV transmission over 1GbE networks. This system supports 8K@60Hz 4:2:2 DSC and 4K@144Hz 4:4:4, providing crystal-clear video and ultra-low latency, making it ideal for applications in gaming, broadcasting, healthcare, digital signage, and professional AV environments. With HDMI 2.1, USB-C (Alt Mode DP 1.4), and eARC/ARC compatibility, the BG-IPGEAR-XTREME-PRO ensures broad device support and superior compatibility.

Additionally, its KVM functionality enhances control over multiple devices, while the system's compact form factor, rugged metal enclosure, and efficient power management make installation easy and reliable in demanding environments.



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Features



ULTRA-HD RESOLUTION

Up to 8K@60Hz (4:2:2 DSC) & 4K@144Hz (4:4:4)



VIDEO WALL SUPPORT

Advanced functionality with image rotation & flipping



MULTI-VIEW MODES

PiP, PbP, & PoP (Chroma Key) for enhanced display options



AUDIO FORMAT SUPPORT

DTS-HD Master Audio & Dolby TrueHD high bit-rate audio



MULTI-INPUT SUPPORT

USB-C (Alt Mode DP 1.4) with simultaneous HDMI & DisplayPort input



SOFTWARE MANAGEMENT

Supports configuration, firmware updates, and signal management



BG-IPGEAR-ULTRA-C

SMART CONTROLLER FOR IPGEAR-ULTRA HDMI OVER IP SERIES

The BG-IPGEAR-ULTRA-C is a high-performance seamless 4K H.264/H.265 AVoIP controller designed for professional environments. It features dual 1G network ports for isolating control and video networks, improving security and preventing congestion. The unit offers a user-friendly web GUI with drag-and-drop functionality, and real-time video preview, and supports multiple control methods, including TCP, RS-232, IR, and GPIO. It also supports AES256 video encryption, HTTP, and SSH for secure remote management.

With dual RS-232 ports, IR signal integration, and four GPIO ports for automation systems, the BG-IPGEAR-ULTRA-C provides flexible control. Power over Ethernet (PoE) simplifies installation, and the unit's design ensures reliability with lightning protection and ESD safeguards, making it ideal for 24/7 operation in demanding environments.



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Features



DUAL 1G NETWORK PORTS

Isolates control and video networks for enhanced security and traffic management.



COMPREHENSIVE CONTROL OPTIONS

Supports Web GUI, TCP, RS-232, IR, and GPIO with an intuitive drag-and-drop interface for easy AV system management.



ENHANCED SECURITY

Features HTTP/SSH compatibility and AES256 video encryption to protect content.



VIDEO AND AUDIO MANAGEMENT

Manages video, audio, RS-232, and KVM, with support for IP camera integration.



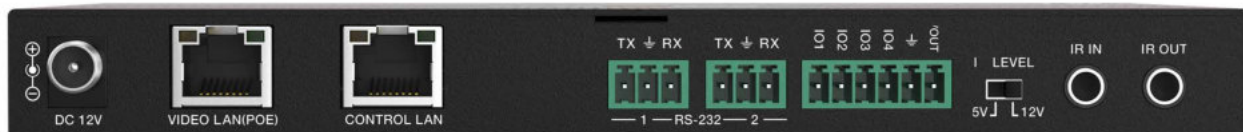
GPIO PORTS

4-channel GPIO with 5V and 12V compatibility for integration with external devices.



POWER OVER ETHERNET (POE)

Reduces installation complexity by providing power through compatible PoE switches.



BG-IPGEAR-ULTRA

4K UHD HDMI 2.0 OVER IP MULTICAST TRANSCIVER WITH SEAMLESS MATRIX SWITCHING/VIDEO WALL/MULTIVIEW/ KVM/USB 2.0/POE SUPPORT

Introducing the BG-IPGEAR-ULTRA 4K60Hz advanced AVoIP kit. Key features of the BG-IPGEAR-ULTRA series include HDMI 2.0b and HDCP 2.2 compliance, support for video resolutions up to 4K60Hz (4:4:4), and a video bandwidth of 18Gbps. Audio formats support LPCM 2.0CH at 48kHz. The integrated design of the encoder and decoder supports both fiber and copper connections, with a window roaming function that allows a decoder unit to process up to 16 signals for arbitrary windowing, roaming, overlaying, and splicing. The system supports KVM seat management, universal H.264/265 protocol, high-definition background images, multi-screen splicing, scrolling subtitles, character overlay, point-to-point signal extension, signal distribution, multicast mode, matrix, and video wall functions over a 1G Network Switch.

It also features integrated central control over RS-232, APP control on portable devices, user rights management, flexible control via KVM, APP, and Control Server, and standard POE support (802.3af Class 3, PD mode). The encoder supports HDMI local loop-out and audio embedding and de-embedding functions, along with comprehensive visual interaction modes, signal source, large screen status, scene preview, and environmental visualization control.



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AT INFOCOMM 2025 -
PUBLICATION: SOUND&VIDEO
CONTRACTOR



BEST OF SHOW AWARDS
AT IBC2024 - PUBLICATION:
INSTALLATION



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Features

HDMI 2.0B AND HDCP 2.2
Ensures seamless integration with the latest video standards

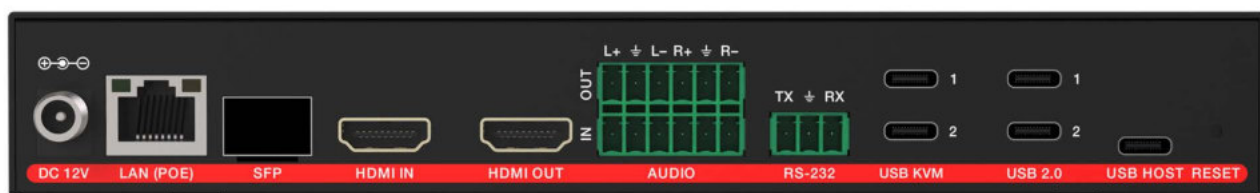
4K **4K@60HZ VIDEO**
Delivers stunning image quality with support for up to 18Gbps video bandwidth

HIGH-QUALITY AUDIO
Supports LPCM 2.0CH 48kHz for clear and precise audio output

USER RIGHTS MANAGEMENT
Offers secure and flexible control access for authorized users

WINDOW ROAMING
Allows a single decoder unit to process up to 16 signals, enabling windowing, roaming, overlaying, and splicing for dynamic displays

AUDIO EMBEDDING/DE-EMBEDDING
Provides flexible audio management capabilities for embedding and extracting audio



BG-VOP-MT

4K UHD HDMI OVER IP MULTICAST TRANSCEIVER WITH VIDEO WALL/KVM/USB/POE SUPPORT

The BG-VOP-MT Transceiver performs both encoding and decoding for BZBGEAR's IPGEAR-4K system. The device offers outstanding 4K UHD HDMI video transmission over IP and has support for PoE. This device is a keystone in providing digital signage, video walls, and video distribution in commercial settings.

With the ability to function as a transmitter or receiver at the flip of the switch, this device is one of the easiest video over IP solutions to implement on the market. The BG-VOP-CB controller can auto-discover each BG-VOP-MT on the network, making for a painless setup process.

Unlike most other video over IP solutions from competing manufacturers, the BG-VOP-MT is TAA compliant, making this device an attractive choice for government use. It also provides a scalable solution so that you can easily add additional BG-VOP-MT units to your network at any time. This enables operators to create fully customized HDMI matrix switching over IP.



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Features



POE

Delivers power directly over an ethernet cable



ULTRA HD

Output supports resolutions up to 4K2K@30Hz



HDCP 2.2

High-Bandwidth Digital Content Protection Supported



BI-DIRECTIONAL IR

Control IR sources or display devices remotely with IR pass-through



VIDEO WALL

Spread a source across multiple displays



VIDEO MATRIX

View any source on any display



BG-IPGEAR-PRO-C

SMART CONTROLLER FOR IPGEAR-PRO HDMI OVER IP SERIES

The BG-IPGEAR-PRO-C Smart Controller provides system management for BZBGEAR's IPGEAR-PRO transmitters and receivers. In addition to managing devices and serving as the gateway for the web interface, this TAA-Compliant unit allows users to monitor the IP-based BG-IPGEAR-PRO-T transmitters in real time. This device allows the system to be highly expandable and can manage up to 1024 devices at the same time.

With a web-based GUI users can drag and drop any source to any connected display, build video walls, and create custom on-screen displays (OSD).

The BG-IPGEAR-PRO-C is capable of continuous system monitoring and self-recovery. This includes real-time event notifications and alerts. A free iOS app is available for mobile control as well. With a simple and easy to use interface, this app allows easy control of basic system functions such as mapping and preset recall.

This unit uses a 5V DC power adapter, an HDMI connector, and an Ethernet port for system connectivity. The simple connections allow stress-free installation and servicing.



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Features



AUTO-DETECTION

Easily find transceiver units on the network



CONTROL OPTION

Includes web interface and Mobile App support



ADVANCED SETTINGS

Schedule time for audio/video mapping, cycle play, and mute/resume



SIMPLE SWITCHING

Drag and drop matrix switching



VIDEO WALLS

Create multiple video walls with ease



CUSTOMIZABLE GRAPHICS

Custom graphic and text overlays



BG-IPGEAR-PRO-R

4K UHD HDMI 2.0 OVER IP MULTICAST RECEIVER WITH VIDEO WALL/KVM/USB/POE SUPPORT

The BG-IPGEAR-PRO-R is a high-performance Receiver/Decoder that is an essential component in the BZBGEAR IPGEAR-PRO AV over IP system. It provides decoding of 4K 60Hz UHD HDMI video transmission over IP networks, and also has support for Power over Ethernet (PoE). This system is ideal for digital signage, video walls, and video distribution in commercial installations.

The BG-IPGEAR-PRO-R offers various features and functionalities, such as audio embedding and de-embedding, HDCP 2.2 compliance, PoE, bi-directional IR extension, and RS-232 extension. It also has a USB 2.0 hub that enables KVM extension and remote management, allowing users to expand the range at which they can use peripherals to interact with host devices. Point-to-point, point-to-many, and multicasting broadcasting formats are supported, meaning one HDMI source can be broadcasted to as many displays as necessary. Moreover, it also has a feature for creating custom video walls, that can be controlled via a user-friendly web interface or a free iOS control app - BG-AVOIP-CONTROL.



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Features



POE

Delivers power directly over an ethernet cable



ULTRA HD

Output supports resolutions up to 4K2K@60Hz



HDCP 2.2

High-Bandwidth Digital Content Protection Supported



BI-DIRECTIONAL IR

Control IR sources or display devices remotely with IR pass-through



VIDEO WALL

Spread a source across multiple displays



VIDEO MATRIX

View any source on any display



BG-IPGEAR-PRO-T

4K UHD HDMI 2.0 OVER IP MULTICAST TRANSMITTER WITH VIDEO WALL/KVM/USB/POE SUPPORT

The BG-IPGEAR-PRO-T is a high-performance transmitter/encoder that is an essential component in the BZBGEAR IPGEAR-PRO AV over IP system. It provides outstanding 4K 60Hz UHD HDMI video transmission over IP networks, and also has support for Power over Ethernet (PoE). This system is ideal for digital signage, video walls, and video distribution in commercial installations.

The BG-IPGEAR-PRO-T offers various features and functionalities, such as audio embedding and de-embedding, HDCP 2.2 compliance, PoE, bi-directional IR extension, and RS-232 extension. It also has a USB 2.0 hub that enables KVM extension and remote management, allowing users to expand the range at which they can use peripherals to interact with host devices. Point-to-point, point-to-many, and multicasting broadcasting formats are supported, meaning one HDMI source can be broadcasted to as many displays as necessary. Moreover, it also has a feature for creating custom video walls, that can be controlled via a user-friendly web interface or a free iOS control app - BG-AVOIP-CONTROL.



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Features



POE

Delivers power directly over an ethernet cable



ULTRA HD

Output supports resolutions up to 4K2K@60Hz



HDCP 2.2

High-Bandwidth Digital Content Protection Supported



BI-DIRECTIONAL IR

Control IR sources or display devices remotely with IR pass-through



VIDEO WALL

Spread a source across multiple displays



VIDEO MATRIX

View any source on any display



BG-VOP-CB

SMART CONTROLLER FOR VOP-MT HDMI OVER IP SERIES

The BG-VOP-CB Smart Controller provides system management for BZBGEAR's BG-VOP-MT transceivers. In addition to managing devices and serving as the gateway for the web interface, this TAA-Compliant unit allows users to monitor the IP-based BG-VOP-MT transceivers in real time. This device allows the system to be highly expandable and can manage up to 1024 transceivers at the same time.

With a web-based GUI users can drag and drop any source to any connected display, build video walls, and create custom on-screen displays (OSD).

The BG-VOP-CB is capable of continuous system monitoring and self-recovery. This includes real-time event notifications and alerts. A free iOS app is available for mobile control as well. With a simple and easy to use interface, this app allows easy control of basic system functions such as mapping and preset recall.

This unit uses a 5V DC power adapter, an HDMI connector, and an Ethernet port for system connectivity. The simple connections allow stress-free installation and servicing.



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Features



GRAPHICS OVERLAY

Add your own custom graphics to overlay displayed images or create Menu Boards



WEB INTERFACE AND MOBILE APP

Use the Web Interface or Mobile app to easily control devices remotely



HDCP 2.2

High-Bandwidth Digital Content Protection Supported



CONTROL MULTIPLE TRANSCEIVERS

Control up to 1024 BG-VOP-MT transceivers over a wide area



VIDEO WALL

Spread a source across multiple displays



VIDEO MATRIX

View any source on any display



AV over IP

Streaming Encoders / Decoders

BZBGEAR STREAMING ENCODERS / DECODERS

BZBGEAR video encoders and decoders are essential tools for converting and transmitting video signals in various professional and enthusiast applications. Encoders transform video signals from sources like HDMI or SDI into formats suitable for streaming over IP or USB, enabling high-quality live broadcasts to platforms such as YouTube and Twitch or integration into video conferencing systems. Decoders, on the other hand, receive live streams over IP, decode the audio and video signals, and output them as HDMI or SDI for display on monitors or large screens, making them ideal for remote viewing and monitoring.

Devices that combine both functionalities, known as encoder/decoders, offer a flexible and cost-effective solution by enabling seamless transitions between streaming and local viewing. These multifunctional units are widely used in live event production, digital signage, video distribution, and hybrid workflows, ensuring efficient content management and delivery.



HD TO 4K
SUPPORT



NDI & DANTE
SUPPORT



WEB GUI
CONTROLLABLE

BG-STREAM-DE / BG-STREAM-NDE

1 CHANNEL SDI/HDMI ENCODER/DECODER/RECORDER
WITH AUDIO/USB 3.0 FOR STORAGE

The BG-STREAM-DE is a versatile and powerful video and audio streaming decoding/encoding solution designed for both professional and personal use. This all-in-one device supports 1x HDMI 2.0 or 1x SDI input and loop-through, with an additional HDMI 2.0 output for seamless video integration. It also features a 3.5mm analog audio input for audio embedding and a 3.5mm analog audio output for audio de-embedding, making it a comprehensive tool for high-quality media production and streaming.

Supporting a maximum resolution of 1920x1080p at 60/50fps, the BG-STREAM-DE includes advanced video features such as H.265/H.264/AVC encoding and a range of output resolutions to meet different display and recording needs. Audio capabilities include AAC input streams for high-quality sound. With an RJ45 port supporting 10/100/1000Mbps Ethernet and multiple streaming protocols like NDI, Dante AV-H, RTSP, RTMP, and HLS, this device offers extensive streaming flexibility. Users can record in MP4, TS, and MOV formats and utilize various streaming formats, including RTSP, NDI-HX, HLS, RTMP, SRT, TS, and Dante AV.



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Features



VERSATILE CONNECTIONS

HDMI 2.0 & SDI inputs; HDMI 2.0 (PGM), HDMI & SDI (Loop-through) outputs



COMPREHENSIVE AUDIO

3.5mm analog input & output



RECORDING & STREAMING

1080p60 (MP4, TS, MOV); supports NDI, Dante AV-H, RTSP, RTMP, HLS, SRT, TS



SIMPLE NETWORK CONFIGURATION

DHCP Client support



CONTROL OPTIONS

Convenient control via USB keyboard/mouse and web UI



INTUITIVE LED INDICATORS

Effortless Status Monitoring at a Glance



BG-STREAM-D / BG-STREAM-ND

IP/UVC TO HDMI 2.0 POE DECODER SUPPORTS H.264/H.265/AVC

The BG-STREAM-D IP/UVC to HDMI2.0 is a versatile and compact video decoder that bridges the gap between various video input sources and HDMI output. Featuring a single RJ45 input, USB 3.0 Type A (UVC) input, and HDMI 2.0 output, this device is ideal for high-definition video processing and streaming. It is powered through a secure locking DC jack, ensuring stable and reliable operation.

The BG-STREAM-D IP/UVC to HDMI2.0 is an advanced video processing unit that supports multiple video and audio formats. It provides seamless connectivity options through its RJ45 and USB 3.0 inputs, delivering output via HDMI 2.0. This device is designed to handle high-resolution video up to 4096x2160p at 60/50fps, making it suitable for professional AV setups, live streaming, and broadcasting applications.

The device supports a wide range of streaming protocols, including RTSP, RTMP, HLS, TS, SRT, NDI HX, and Dante AV-H, providing flexibility and compatibility with various streaming platforms. The integrated web UI offers an intuitive interface for system configuration, ensuring user-friendly operation and easy setup.



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Features



VERSATILE CONNECTIONS OPTIONS

Supports IP, USB-A 3.0, and HDMI 2.0 connections



HIGH-QUALITY VIDEO PROCESSING

Capable of resolutions up to 4K@60Hz with downscaling ability



COMPREHENSIVE AUDIO SUPPORT

Utilizes AAC-LC codec with a configurable bit rate range from 32Kbps to 384Kbps



ADVANCED NETWORK CAPABILITIES

Includes DHCP support and Power over Ethernet (PoE) functionality



EXTENSIVE PROTOCOL SUPPORT

Compatible with RTSP, RTMP, HLS, TS, SRT, Dante AV-H (specific model only), and NDI|HX3 (specific model only)



USER-FRIENDLY INTERFACE

Features an accessible web UI for easy system configuration



BG-STREAM-E / BG-STREAM-NE

HDMI TO IP/UVC POE ENCODER SUPPORTS H.264/H.265/AVC

The BG-STREAM-E HDMI to IP/UVC is a compact and efficient video converter that provides a seamless connection between HDMI inputs and IP or USB 3.0 UVC outputs. This device is ideal for high-definition video streaming and recording, offering robust features such as hardware compression, real-time recording, and support for multiple streaming protocols.

The BG-STREAM-E HDMI to IP/UVC is designed to facilitate high-quality video conversion from HDMI sources to IP streams or USB 3.0 UVC outputs. Equipped with a single HDMI input and versatile output options including 1 x RJ45 for IP streaming and 1 x USB 3.0 Type-B for UVC output, this converter ensures broad compatibility with various streaming protocols such as RTSP, RTMP, HLS, TS, SRT, NDI HX, and Dante AV-H.

Supporting resolutions up to 1920x1080p at 60/50fps, the BG-STREAM-E delivers exceptional video quality. The device features advanced video processing with H.265/H.264/AVC encoding, enabling efficient compression without compromising performance. Audio support includes AAC-LC with a configurable bit rate range from 32Kbps to 384Kbps and a sample rate of 48KHz, ensuring clear and synchronized audio.



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Features



VERSATILE CONNECTIONS OPTIONS

HDMI, USB 3.0, and IP connections, including support for Dante AV-H and NDI|HX



HIGH-QUALITY VIDEO PROCESSING

Capable of resolutions up to 1920x1080p at 60/50fps



AUDIO SUPPORT

Features AAC-LC audio codec with configurable bit rate range



NETWORK CAPABILITIES

Includes DHCP support and Power over Ethernet (POE) functionality



USER-FRIENDLY INTERFACE

Accessible web UI for easy system configuration



EXTENSIVE PROTOCOL SUPPORT

Compatible with RTSP, RTMP, HLS, TS, SRT, Dante AV-H (specific model only), and NDI|HX3 (specific model only)



Cables

SUPERIOR QUALITY

BZBGear cables are engineered with precision and undergo rigorous testing to ensure reliable performance that meets or exceeds their rated specifications.

HIGH-RESOLUTION COMPATIBILITY

BZBGear HDMI and SDI cables are designed to support cutting-edge resolutions, delivering exceptional video clarity. Our 12G-SDI cables handle resolutions up to 4K@60, while our HDMI 2.1 cables support resolutions up to 8K@60 and 4K@120Hz. Crafted in-house and thoroughly tested before shipping, our SDI cables provide customers with confidence in their performance and reliability.

EXTENDED TRANSMISSION RANGE

BZBGear Active Optical HDMI and USB cables utilize advanced fiber optic technology to achieve transmission distances far beyond conventional cabling. These cables maintain full-resolution signal integrity over distances up to 164 feet (50 meters) for USB and 328 feet (100 meters) for HDMI.

BG-CAB-H21A

8K UHD HDMI 2.1 48GBPS ACTIVE OPTICAL CABLE

Unmatched Professional Quality: The BG-CAB-H21A establishes an unparalleled benchmark for professional excellence. This 8K cable flawlessly transmits 8K@60Hz signals and supports high-refresh 4K resolutions, reaching up to 4K@120Hz. Enhanced by HDR video, seamless 48Gbps bandwidth, and compatibility with various audio formats, this cable provides users with a comprehensive toolkit that caters to the demands of any project.

Elevated Gaming and Entertainment: Introducing groundbreaking features such as automatic low latency mode, rapid media switching, frame transport, and variable refresh rate, individuals can fully engage in elevated gaming and entertainment experiences that push the boundaries of enjoyment.

Future-Proof and Advanced Security: The BG-CAB-H21A excels in transmitting top-tier 8K and 4K signals, providing a forward-looking solution for all your video distribution needs. Additionally, its HDCP 2.3 compliance enhances security through advanced media encryption, ensuring an extra layer of protection.



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Available Lengths:

33ft/10m; 50ft/15m; 66ft/20m; 100ft/30m; 132ft/40m; 164ft/50m; 250ft/75m; 328ft/100m

Features



QUALITY & CLARITY

Supports HEAC, ARC up to 20M cables only, and HDR



CONTENT PROTECTION

HDCP 2.3 certified



LONG RANGE

Reliable optical fiber HDMI cable for video and audio



AUDIO SUPPORT

Compatible with DTS-HD Master Audio and Dolby True HD



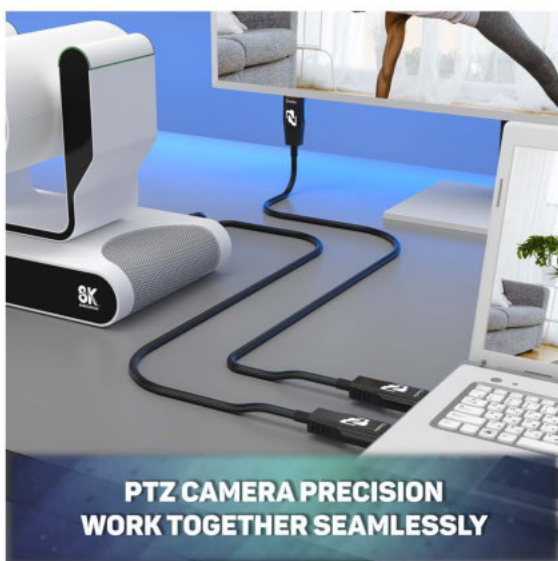
HIGH RESOLUTION

Handles 8K@60Hz, 4K@120Hz, 4:4:4 color format

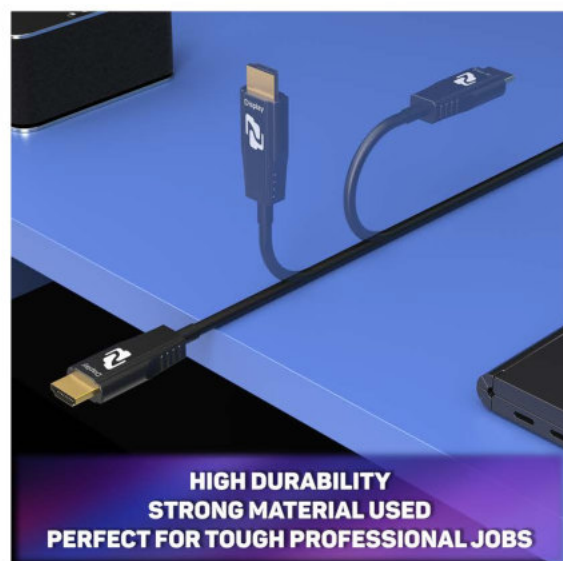


SPECIAL FEATURES

Seamless, lag-free experience with VRR, ALLM, and QFT



**PTZ CAMERA PRECISION
WORK TOGETHER SEAMLESSLY**



**HIGH DURABILITY
STRONG MATERIAL USED
PERFECT FOR TOUGH PROFESSIONAL JOBS**

BG-CAB-SDI

1080P FHD 75-OHM SHIELDED SDI CABLE

BG-CAB-SDI from BZBGear is the ultimate solution to elevate your video transmission experience. Seamlessly supporting 3G-SDI cameras and equipment, BG-CAB-SDI unleashes the true potential of your video devices. With the capacity to handle resolutions up to 1080P, BG-CAB-SDI delivers your visuals in Full HD brilliance. BG-CAB-SDI grants you the ability to extend your setup up to 100 meters while maintaining impeccable quality.

Empowering 3G-SDI: Seamlessly supporting 3G-SDI cameras and equipment, BG-CAB-SDI unleashes the true potential of your video devices. Whether you're working with live broadcasts, studio setups, or recording environments, these cables ensure your content remains true to its form.

Full HD Brilliance: With the capacity to handle resolutions up to 1080P, BG-CAB-SDI delivers your visuals in Full HD brilliance. Experience vivid colors, sharp details, and lifelike images that capture every nuance of your content.

Impressive Reach: Don't let distance limit your creativity. BG-CAB-SDI grants you the ability to extend your setup up to 100 meters while maintaining impeccable quality. This flexibility is essential for setups that demand spatial freedom without compromising visual excellence.



[Check out this item on our website](#)

Available Lengths:

6ft/2m; 10ft/3m; 15ft/5m; 25ft/7.5m; 50ft/15m; 75ft/22.5m;
100ft/30m; 150ft/45m; 200ft/60m; 250ft/75m; 300ft/90m;
328ft/100m

BG-CAB-SDIS

1080P FHD 75-OHM PREMADE SHIELDED SDI WITH DC SIAMESE CABLE

BZBGear SDI Siamese cables are made using 75 ohm shielded coaxial cable with high-quality BNC connectors. The addition of a 2-conductor 18-gauge stranded copper wire allows power or serial control to be carried with the video signal on a single wire run. They are designed to reliably support 3G-SDI cameras and equipment at resolutions up to 1080P over distances up to 100m. The cables feature a woven shield to help reject electromagnetic interference and deliver pristine images free from artifacts. They are suitable for both temporary and permanent applications requiring a high-quality SDI connection.

Power Supply: DC power cables can power devices like cameras and monitors, eliminating the need for a separate power source and offering convenience for security camera setups.

Longer Cable Runs: The shielding and power supply capabilities of this cable make it suitable for longer cable runs, which is essential in scenarios where you need to transmit SDI video signals over extended distances.

Combination Cable: Siamese cables combine SDI for video signals and DC power cables, simplifying cable management, reducing clutter, and making installation easier.

Reduced Interference: Shielded cables reduce electromagnetic and radiofrequency interference for professional video applications, ensuring signal integrity over long distances.



[Check out this item on our website](#)

Available Lengths:

25ft/7.5m; 50ft/15m; 75ft/22.5m; 100ft/30m; 150ft/45m;
200ft/60m; 250ft/75m; 328ft/100m

BG-CAB-12SDI

4K UHD 75-OHM SHIELDED 12G SDI CABLE (UHD)

Experience flawless 4K video transmission with the BG-CAB-12SDI by BZBGear. Designed to meet the demands of professional videographers and enthusiasts alike, these cables offer a seamless connection for your high-resolution content.

12G-SDI Compatibility: These cables effortlessly handle ultra-high-definition content, delivering sharp images and vibrant colors without compromise.

Interference Rejection: The cables are equipped with a woven shield that effectively rejects electromagnetic interference, providing you with a clear and consistent video feed.

Extended Reach: Cover distances up to 70 meters without sacrificing quality. The BG-CAB-12SDI gives you the flexibility to set up your equipment wherever you need, making it ideal for both studio and on-location shoots.

High-Quality Construction: The BG-CAB-12SDI is built on a foundation of precision. It employs 75-ohm shielded coaxial cable and premium BNC connectors, ensuring minimal signal loss and maintaining the integrity of your video data.

Durable Design: Built to withstand the demands of various setups, these cables are a reliable choice for both temporary and permanent installations.



[Check out this item
on our website](#)

Available Lengths:

25ft/7.5m; 50ft/15m; 75ft/22.5m; 100ft/30m; 150ft/45m;
175ft/52.5m; 200ft/60m; 225ft/67.5m; 250ft/75m

BG-CAB-SDICAT

4K UHD 12G-SDI+ CAT6 COMBO CABLE

The BG-CAB-SDICAT is a professional-grade combo cable that combines RG6 Quad Shield coaxial cable and CAT6 Ethernet cable in one convenient spool. Designed for high-performance installations, it simplifies cabling for both video and data transmission, reducing clutter and saving installation time.

With RG6Q 18AWG copper-clad steel conductors for reliable satellite, CATV, and HDTV signals, paired with CAT6 23AWG solid bare copper conductors for fast network connectivity up to 550 MHz, this cable delivers exceptional performance across multiple applications. Ideal for residential, commercial, and professional AV setups, it supports data, video, audio, telephony, LAN networking, PoE, and digital broadcasting.

Built to industry standards, the cable is UL-listed, CMG-rated, RoHS-compliant, and FT4 flame-tested, ensuring safe and dependable operation. Packaged in a 500ft spool with a durable black PVC jacket, it's engineered for long-lasting use in structured wiring projects.

Dual-Purpose Combo Cable: Integrates RG6 Quad Shield coax and CAT6 UTP into a single run for simplified installation.

High-Performance CAT6: 23 AWG solid bare copper, UTP, sweep tested to 550 MHz, ideal for gigabit networks and PoE/PoE+ applications.

RG6 Quad Shield Coax: 18 AWG copper-clad steel conductor with multiple shielding layers for superior signal integrity in satellite, CATV, and HDTV.

Wide Application Support: Suitable for data, video, audio, communications circuits, LAN, CDDI, ATM, Token Ring, and IEEE 802.3af/at (PoE/PoE+).



[Check out this item
on our website](#)

Available Lengths:

25ft/7.5m; 50ft/15m; 75ft/22.5m; 100ft/30m; 150ft/45m;
175ft/52.5m; 200ft/60m

BG-CAB-U3A

USB 3.0 AM/AF ACTIVE OPTICAL EXTENSION CABLE

Discover the transformative power of the BG-CAB-U3A, a USB 3.0 type-A male-to-type-A female active optical extension cable designed to revolutionize your data transmission capabilities.

Next-Level Extension: This cable goes beyond the confines of traditional copper cables, utilizing fiber optics to convert USB data signals into optical signals.

Sustained Performance: Whether you're transferring large files, streaming high-definition content, or managing data-intensive tasks, this cable ensures your connection remains swift and responsive.

Enhanced Compatibility: The cable unlocks the power of UASP (USB Attached SCSI Protocol) functionality, providing even faster data transfer speeds when used with compatible systems such as Windows 11, 10, and 8.

Efficient Power Management: The BG-CAB-U3A is ingeniously designed to draw power directly from your connected device, eliminating the hassle of seeking an extra power supply while still delivering the lightning-fast speeds of USB 3.0.

Exclusivity Note: Please note that the BG-CAB-U3A is specifically engineered for USB 3.0 and is not compatible with USB 2.0 or 1.1.



Check out this item
on our website

Available Lengths:

33ft/10m; 50ft/15m; 66ft/20m; 100ft/30m; 132ft/40m; 164ft/50m

Features



HIGH-SPEED TRANSMISSION

Achieves lightning-fast USB 3.0 speeds of up to 5Gbps



ADVANCED OPTICAL TECHNOLOGY

Utilizes an 850nm VCSEL transmitter and a PIN photo-detector receiver for reliable signal transmission



UNIVERSAL COMPATIBILITY

Compatible with all USB 3.0 devices, but not with USB 2.0 or 1.1 devices



OPERATING SYSTEM SUPPORT

Works seamlessly with major operating systems, including Windows, Mac OS, and Linux



OPTICAL SIGNAL CONVERSION

Converts USB data signals into optical signals through fiber optics



INTEGRATED OPTICAL TRANSCEIVER

Features a fully integrated circuit with both receiver and transmitter functions



BG-CAB-SDICAT

4K UHD 12G-SDI+ CAT6 COMBO CABLE

The BG-CAB-SDICAT is a professional-grade combo cable that combines RG6 Quad Shield coaxial cable and CAT6 Ethernet cable in one convenient spool. Designed for high-performance installations, it simplifies cabling for both video and data transmission, reducing clutter and saving installation time.

With RG6Q 18AWG copper-clad steel conductors for reliable satellite, CATV, and HDTV signals, paired with CAT6 23AWG solid bare copper conductors for fast network connectivity up to 550 MHz, this cable delivers exceptional performance across multiple applications. Ideal for residential, commercial, and professional AV setups, it supports data, video, audio, telephony, LAN networking, PoE, and digital broadcasting.

Built to industry standards, the cable is UL-listed, CMG-rated, RoHS-compliant, and FT4 flame-tested, ensuring safe and dependable operation. Packaged in a 500ft spool with a durable black PVC jacket, it's engineered for long-lasting use in structured wiring projects.



Check out this item
on our website

Available Lengths:

25ft/7.5m; 50ft/15m; 75ft/22.5m; 100ft/30m; 150ft/45m;
175ft/52.5m; 200ft/60m

Features



DUAL-PURPOSE COMBO CABLE

Integrates RG6 Quad Shield coax and CAT6 UTP into a single run for simplified installation



HIGH-PERFORMANCE CAT6

23 AWG solid bare copper, UTP, sweep tested to 550 MHz, ideal for gigabit networks and PoE/PoE+ applications



RG6 QUAD SHIELD COAX

18 AWG copper-clad steel conductor with multiple shielding layers for superior signal integrity in satellite, CATV, and HDTV



WIDE APPLICATION SUPPORT

Suitable for data, video, audio, communications circuits, LAN, CDDI, ATM, Token Ring, and IEEE 802.3af/at (PoE/PoE+)



STANDARDS COMPLIANT

UL Listed, CMG rated, RoHS compliant, ANSI/TIA-568-C.2, ISO/IEC 11801, IEC 61156-5, NEC Articles 800, and CEC approved



DURABLE JACKET & CONSTRUCTION

Features a fully integrated circuit with both receiver and transmitter functions



Cameras

PTZ Cameras

BZBGEAR PTZ CAMERAS

A BZBGEAR PTZ (Pan-Tilt-Zoom) camera is a versatile and high-performance solution designed to deliver precise control over panning, tilting, and zooming, making it ideal for a wide range of applications. The most common variant is the IP PTZ camera, which streams video over a local network and can be remotely controlled via IP or web interfaces. These cameras are widely used in environments such as live streaming, broadcasting, videoconferencing, houses of worship, and security monitoring. With features like multiple connection options (Ethernet, USB, SDI/HDMI), scalable image formats, and flexible control systems, PTZ cameras are designed to provide seamless performance across diverse settings.

Available in various models, including 4K and Full HD, BZBGEAR PTZ cameras offer advanced functionalities such as auto-tracking, NDI technology, and Dante AV-H technology, optimizing them for live events and professional productions. Many models are equipped with essential features like Power over Ethernet (PoE), optical zoom, preset camera angles, and video compression technologies (H.264/H.265) for efficient and high-quality streaming.

Additionally, numerous PTZ models feature tally lights to indicate active cameras and offer automatic subject tracking, making them perfect for environments with limited staff. The combination of flexibility, user-friendly controls, and professional-grade features makes BZBGEAR PTZ cameras indispensable tools in a variety of industries.



FHD TO 4K
VIDEO SUPPORT



SOFTWARE
CONTROLLABLE



AUTO-TRACKING
OPTIONS

BG-ADAMO-JR

1080P FHD AUTO TRACKING HDMI/3G-SDI/USB 2.0/USB 3.0
LIVE STREAMING PTZ CAMERA WITH TALLY LIGHTS

The BG-ADAMO-JR is a brand-new Full HD PTZ camera with 3 types of lenses available: 12X optical zoom with 70.3 FOV, 20X optical zoom with 60.04 FOV, and 30X optical zoom with 58.1 FOV. It features smooth PTZ functions, advanced image processing features and flexible connection options.

Advanced Visual Performance: With the high quality 1/2.8-inch SONY CMOS image sensor, the resolution of this camera can get up to 1080@60fps. Additionally, the low noise 1/2.8-inch SONY CMOS guarantees high SNR and the advanced 3D noise reduction technology further reduces the noise while ensuring pristine image clarity. The advanced ISP processing technology and algorithms also allow the camera to deliver true-to-life image quality for the most natural and accurate viewing experiences.

The BG-ADAMO-JR supports HDMI, SDI, USB 2.0, USB 3.0 and LAN connections. It also supports IP streaming, offering flexible workflow options for users.

The BG-ADAMO-JR offers a smooth and impressively clear viewing experience. It uses advanced video and audio compression techniques to ensure the best quality content. Additionally, advanced auto focus technology allows the camera to autofocus stably, swiftly, and precisely.



Check out this item
on our website



Features



1080P

Output up to 1080p@60Hz resolution



TALLY LIGHTS

Integrated red/green LED tally lights



MICROSD

Record and store up to 1 TB



ZOOM

Available with 12x/20x/30x optical zoom lens



MULTIPLE VIDEO OUTPUTS

Choose from SDI, HDMI, USB 3.0, USB 2.0, or IP Streaming



POWER OVER ETHERNET

Data, power, and control over a single category cable

Available in



BLACK



WHITE



12x ZOOM



20x ZOOM



30x ZOOM

Award-winner



BG-ADAMO-JRND

1080P FHD AUTO TRACKING HDMI/3G-SDI/USB 2.0/USB 3.0/
NDI|HX LIVE STREAMING PTZ CAMERA WITH TALLY LIGHTS

The BG-ADAMO-JRND is a brand-new Full HD NDI|HX3 certified PTZ camera with 3 types of lenses available: 12X optical zoom with 70.3 FOV, 20X optical zoom with 60.04 FOV, and 30X optical zoom with 58.1 FOV. It features smooth PTZ functions, advanced image processing features and flexible connection options.

Advanced Visual Performance: With the high quality 1/2.8-inch SONY CMOS image sensor, the resolution of this camera can get up to 1080@60fps. Additionally, the low noise 1/2.8-inch SONY CMOS guarantees high SNR and the advanced 3D noise reduction technology further reduces the noise while ensuring pristine image clarity. The advanced ISP processing technology and algorithms also allow the camera to deliver true-to-life image quality for the most natural and accurate viewing experiences.

The BG-ADAMO-JRND supports HDMI, SDI, USB 2.0, USB 3.0 and LAN connections. It also supports IP streaming, offering flexible workflow options for users. The BG-ADAMO-JRND offers a smooth and impressively clear viewing experience. It uses advanced video and audio compression techniques to ensure the best quality content. Additionally, advanced auto focus technology allows the camera to autofocus stably, swiftly, and precisely.

NDI



Check out this item
on our website

Features



1080P

Output up to 1080p@60Hz resolution



TALLY LIGHTS

Integrated red/green LED tally lights



MICROSD

Record and store up to 1 TB



NDI|HX3

Compatible with NDI® 5.5 and above from NewTek



MULTIPLE VIDEO OUTPUTS

Choose from SDI, HDMI, USB 3.0, USB 2.0, or IP Streaming



POWER OVER ETHERNET

Data, power, and control over a single category cable

Available in



BLACK



WHITE



12x ZOOM



20x ZOOM



30x ZOOM

Award-winner



BG-ADAMO-JRDA

1080P FHD AUTO TRACKING HDMI 2.0/12G-SDI/USB 2.0/USB 3.0 DANTE AV-H LIVE STREAMING PTZ CAMERA WITH TALLY LIGHTS

The BG-ADAMO-JRDA is a brand-new Full HD Dante AV-H certified PTZ camera with 3 types of lenses available: 12X optical zoom with 70.3 FOV, 20X optical zoom with 60.04 FOV, and 30X optical zoom with 58.1 FOV. It features smooth PTZ functions, advanced image processing features and flexible connection options.

Advanced Visual Performance: With the high quality 1/2.8-inch SONY CMOS image sensor, the resolution of this camera can get up to 1080@60fps. Additionally, the low noise 1/2.8-inch SONY CMOS guarantees high SNR and the advanced 3D noise reduction technology further reduces the noise while ensuring pristine image clarity. The advanced ISP processing technology and algorithms also allow the camera to deliver true-to-life image quality for the most natural and accurate viewing experiences.

The BG-ADAMO-JRDA offers three different optical zoom lenses that users can choose from: 12X optical zoom with 70.3 viewing angle, 20X optical zoom with 60.04 viewing angle and 30X optical zoom with 58.1 viewing angle.

The BG-ADAMO-JRDA supports HDMI, SDI, USB 2.0, USB 3.0 and LAN connections. It also supports IP streaming, offering flexible workflow options for users.



Check out this item
on our website



Features



1080P

Output up to 1080p@60Hz resolution



TALLY LIGHTS

Integrated red/green LED tally lights



MICROSD

Record and store up to 1 TB



ZOOM

Available with 12x/20x/30x optical zoom lens



MULTIPLE VIDEO OUTPUTS

Choose from SDI, HDMI, USB 3.0, USB 2.0, or IP Streaming



POWER OVER ETHERNET

Data, power, and control over a single category cable

Available in



BLACK



WHITE

Award-winner



12x ZOOM



20x ZOOM



30x ZOOM

BG-ADAMO-4K

4K UHD AUTO TRACKING HDMI 2.0/12G-SDI/USB 2.0/USB 3.0
LIVE STREAMING PTZ CAMERA WITH TALLY LIGHTS

The BG-ADAMO-4K is loaded with features including a full interface of video connections and immaculate 4K@60Hz resolution. The 12G-SDI connection enables long distance cable runs without compromising image quality. Compose shots ahead of time utilizing up to 255 programable presets, with 10 conveniently accessible using the IR remote. Capable of storing 1 TB of video footage with the Micro SD Card writer, start recording on the fly when other connections are inaccessible.

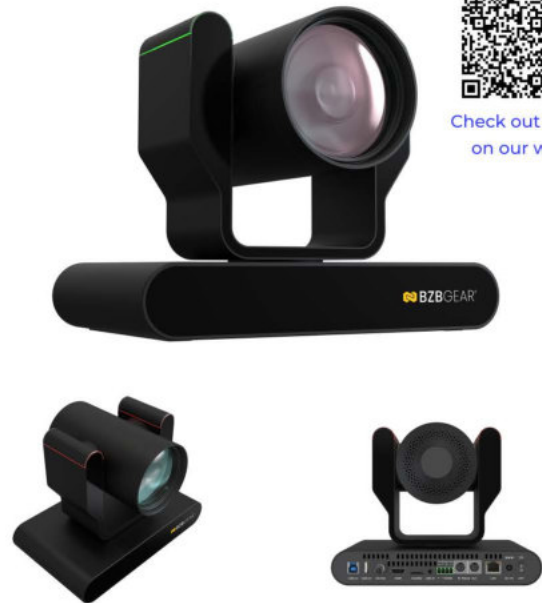
The lens is designed with an advanced auto-focusing algorithm that promptly snaps into focus with dependable accuracy and stability. The 3D noise reduction technology combined with the low-noise CMOS sensor ensures impeccable image clarity. Choose between the 12x optical zoom lens with an 80.4° wide-angle or the 25x optical zoom lens with a 59° wide-angle.

Packed with an array of video connections including USB 2.0, USB 3.0, LAN, HDMI, and 12G-SDI, the BG-ADAMO-4K boasts unparalleled functionality with sophistication and style. The dual stream USB facilitates concurrent main-stream and sub-stream outputs. While the HDMI, SDI, and USB 2.0 connections are capable of transmitting 4K video and audio signals simultaneously.

SRTALLIANCE
SECURE RELIABLE TRANSPORT



Check out this item
on our website



Features



HIGH RESOLUTION

Output up to 4K@60Hz over HDMI or 12G-SDI and 4K@30Hz over USB 2.0 cabling



TALLY LIGHTS

Integrated red/green LED tally lights



MICROSD

Record and store up to 1 TB of 4K video



ZOOM

Available with 12x/25x optical zoom lens



MULTIPLE VIDEO OUTPUTS

Choose from SDI, HDMI, USB 3.0, USB 2.0, or IP Streaming



POWER OVER ETHERNET

Data, power, and control over a single category cable

Available in



BLACK



WHITE



12x ZOOM



25x ZOOM

Award-winner



BG-ADAMO-4KND

4K UHD AUTO TRACKING HDMI 2.0/12G-SDI/USB 2.0/USB 3.0/
NDI|HX LIVE STREAMING PTZ CAMERA WITH TALLY LIGHTS

The BG-ADAMO-4KND is loaded with features including the latest NDI|HX3 technology, a full interface of video connections, and immaculate 4K@60Hz resolution. Integrated with NDI|HX3 technology, distribute the stream to multiple devices on the network using nothing more than a simple Ethernet connection. The 12G-SDI connection enables long distance cable runs without compromising image quality. Compose shots ahead of time utilizing the up to 255 programable presets, with 10 conveniently accessible using the IR remote. Capable of storing 1 TB of video footage with the Micro SD Card writer, start recording on the fly when other connections are inaccessible.

The lens is designed with an advanced auto-focusing algorithm that promptly snaps into focus with dependable accuracy and stability. The 3D noise reduction technology combined with the low-noise CMOS sensor ensures impeccable image clarity. Choose between the 12x optical zoom lens with an 80.4° wide-angle or the 25x optical zoom lens with a 59° wide-angle. Packed with an array of video connections including NDI|HX3, USB 2.0, USB 3.0, LAN, HDMI, and 12G-SDI, the BG-ADAMO-4KND boasts unparalleled functionality with sophistication and style. The dual stream USB facilitates concurrent main-stream and sub-stream outputs. While the HDMI, SDI, and USB 2.0 connections are capable of transmitting 4K video and audio signals simultaneously. This camera supports SRT, enabling high-quality, low-latency video to be sent reliably over the internet.

NDI



Check out this item
on our website



Features



HIGH RESOLUTION

Output up to 4K@60Hz over HDMI or 12G-SDI and 4K@30Hz over USB 2.0 cabling



TALLY LIGHTS

Integrated red/green LED tally lights



MICROSD

Record and store up to 1 TB of 4K video



NDI|HX3

Compatible with NDI® 5.5 and above from NewTek



MULTIPLE VIDEO OUTPUTS

Choose from SDI, HDMI, USB 3.0, USB 2.0, or IP Streaming



POWER OVER ETHERNET

Data, power, and control over a single category cable

Available in



BLACK



WHITE



12x ZOOM



25x ZOOM

Award-winner



BG-ADAMO-4KDA

4K UHD AUTO TRACKING HDMI 2.0/12G-SDI/USB 2.0/USB 3.0
DANTE AV-H LIVE STREAMING PTZ CAMERA WITH TALLY LIGHTS

The BG-ADAMO-4KDA is loaded with features including the latest Dante AV-H technology by Audinate, a full interface of video connections, and immaculate 4K@60Hz resolution. The integration with Dante AV-H technology enables the BG-ADAMO-4KDA to distribute the stream to multiple devices on the network using nothing more than a simple Ethernet connection. The 12G-SDI connection enables long distance cable runs without compromising image quality. Compose shots ahead of time utilizing the up to 255 programmable presets, with 10 conveniently accessible using the IR remote. Capable of storing 1 TB of video footage with the Micro SD Card writer, start recording on the fly when other connections are inaccessible.

The lens is designed with an advanced auto-focusing algorithm that promptly snaps into focus with dependable accuracy and stability. The 3D noise reduction technology combined with the low-noise CMOS sensor ensures impeccable image clarity. Choose between the 12x optical zoom lens with an 80.4° wide-angle or the 25x optical zoom lens with a 59° wide-angle. Packed with an array of video connections including Dante AV-H, USB 2.0, USB 3.0, LAN, HDMI, and 12G-SDI, the BG-ADAMO-4KDA boasts unparalleled functionality with sophistication and style. The dual stream USB facilitates concurrent main-stream and substream outputs. While the HDMI, SDI, and USB 2.0 connections are capable of transmitting 4K video and audio signals simultaneously.

 Dante®



Check out this item
on our website



Features



HIGH RESOLUTION

Output up to 4K@60Hz over HDMI or 12G-SDI and 4K@30Hz over USB 2.0 cabling



TALLY LIGHTS

Integrated red/green LED tally lights



MICROSD

Record and store up to 1 TB of 4K video



ZOOM

Available with 12x/25x optical zoom lens



MULTIPLE VIDEO OUTPUTS

Choose from SDI, HDMI, USB 3.0, USB 2.0, or IP Streaming



POWER OVER ETHERNET

Data, power, and control over a single category cable

Available in



BLACK



WHITE



12x ZOOM



25x ZOOM

Award-winner



BG-NUCLEUS-10X

NUC WINDOWS COMPUTER AND 1080P FHD PTZ CAMERA ALL-IN-ONE COMBO

Elevate your presentations and collaborative endeavors with the BG-NUCLEUS-10X, a groundbreaking fusion of an Intel NUC computer and a high-definition 1080P FHD PTZ camera. Packed with a robust i5 CPU, 16GB RAM, and a rapid 512GB M.2 SSD, it delivers unparalleled performance for seamless multitasking. The device's 10X optical zoom lens, 65° FOV, and crystal-clear visuals make it a dynamic choice for distance learning, videoconferencing, and captivating presentations. With versatile connectivity, compact design, and effortless audio capture, the BG-NUCLEUS-10X redefines how presentations are delivered and collaborations unfold.

Seamlessly navigate through major productivity platforms, utilizing the IR remote and 255 preset camera positions to find the perfect angle. Unleash a new era of presentations, where the BG-NUCLEUS-10X empowers you to focus on your content while leaving the logistics behind. Upgrade to a future of innovative presentations and interactions today.



[Check out this item
on our website](#)

Features



CRYSTAL CLEAR VIDEO

1080p@60Hz PTZ camera with 10X optical zoom



POWERFUL

i5 CPU, 16GB RAM, 512 GB M.2 SSD



CRYSTAL CLEAR VIDEO

1080p@60Hz PTZ camera with 10X optical zoom



COMPACT FOOTPRINT

Fits easily in a variety of setups



EASY TO USE

Works just like a laptop camera only with PTZ functionality



ZOOM

10X optical zoom lens with 65° horizontal FOV



Cameras

Medical Cameras

BZBGEAR MEDICAL CAMERAS

BZBGEAR medical cameras deliver cutting-edge video and audio capabilities designed to revolutionize medical AV systems. Featuring advanced 4K UHD video processing and two-way audio integration, these cameras simplify workflows by reducing the need for excessive equipment, minimizing cable runs, and optimizing space utilization.

Our innovative camera management and control application, Magna, empowers medical facilities to seamlessly set up and manage large-scale camera systems. Whether it's for patient room monitoring, security, conferencing, or all of the above, Magna ensures effortless operation and control.

Additionally, BZBGEAR medical cameras meet rigorous safety standards, backed by comprehensive certifications and thoroughly tested safety features to provide reliable performance in medical environments.

Experience the future of medical AV technology—request a demo today!



RESOLUTIONS
UP TO 4K@60HZ



ADVANCED AUDIO
INTEGRATION



CERTIFIED
AND COMPLIANT

BG-NUTRIX

MEDICAL GRADE INTELLIGENT 4K UHD 30X NDI|HX PTZ CAMERA WITH NIGHT VISION/SPEAKERS/MICROPHONE/ MOTION DETECTION (IEC 60601 CERTIFIED)

EC Medical Certification, Night Vision, and Stereo Speakers: These features make the BG-NUTRIX ideal for various medical applications. The IEC 60601 medical certification ensures that the camera meets safety standards for medical environments. The IEC 60601 certification is a mandatory requirement for medical devices to be sold in most countries worldwide. It is designed to ensure the safety and reliability of medical equipment, particularly concerning the electrical and electronic components that make up the device.

The night vision feature allows the camera to function in low-light conditions, which can be essential for remote patient monitoring and medical procedures. The stereo speakers and microphone provide clear audio, which is important for communication during remote consultations, telemedicine, and live medical procedures.



BEST OF SHOW - ISE 2024:
AV TECHNOLOGY WINNER



[Check out this item
on our website](#)

Features



2-WAY AUDIO

Communicate effectively without the need for additional audio equipment



NIGHT VISION

See clearly in low light conditions



CONNECTION OPTIONS

HDMI/USB 3.0/LAN



4K@60

Output up to 4K@60Hz resolution



30X OPTICAL ZOOM

Zoom in and out 30X without interrupting image clarity



MEDICAL GRADE

IEC 60601 Medical Certified



Cameras

Box Cameras

BZBGEAR BOX CAMERAS

BZBGEAR box cameras offer a blend of flexibility, simplicity, and professionalism making them an ideal choice for various applications such as live streaming, teaching, content creation, and security. These cameras support multiple output configurations, including SDI, HDMI, USB, and IP streaming, enabling seamless integration with a wide range of AV equipment. Their compact design allows for greater freedom in camera placement, and they come equipped with features like Auto-Focus, automatic white balance, and advanced image processing capabilities, making it easy for users to achieve professional-level results without complexity. Box cameras are particularly suited for applications requiring a fixed camera angle, as they do not have pan or tilt capabilities, making them perfect for livestreaming, product demonstrations, and small business uses.

These cameras also support multiple frame rates, including both standard and broadcast options, and feature SRT protocol for secure, low-latency live video streaming. With color accuracy ensured by automatic, one-touch, and manual white balance modes, users can expect perfect color reproduction. Additionally, BZBGEAR box cameras offer zoom options ranging 20X/30X optical zoom. Overall, BZBGEAR box cameras are user-friendly and provide a reliable, high-quality solution for anyone in need of a stationary camera for their projects.



FHD VIDEO
SUPPORT



AUDIO INTEGRATION
SUPPORT



20X/30X OPTICAL
ZOOM OPTIONS

BG-B20SHA/BG-B30SHA

1080P FHD 20X/30X HDMI/SDI/IP STREAMING BOX CAMERA WITH AUDIO

The BG-B20SHA/BG-B30SHA 20X/30X optical zoom IP-streaming camera utilizes a high-quality CMOS sensor to deliver crisp HD video signals. Its compact design provides versatile placement options and ease-of-use in a sleek low-profile housing. This camera is well-suited for a wide variety of broadcast and professional A/V applications including lecture streaming, education, room monitoring, studios, and more.

With a 1/2.8" Sony CMOS sensor, the BG-BSHA series provides crystal clear imaging at resolutions up to 1080p@60Hz. The 20X/30X optical zoom lens allows the camera to capture tight close-ups, even at a distance.

The BG-BSHA series features simultaneous 3G-SDI, HDMI, and IP streaming outputs. By utilizing the 3.5mm audio input, audio can be embedded into your livestreams and recordings with ease.



[Check out this item on our website](#)

Features



CRYSTAL CLEAR OUTPUT

Full HD output delivers up to 1080p@60Hz video



MULTIPLE OUTPUTS

Outputs simultaneously from HDMI/3G-SDI/ IP



ZOOM

20X/30X Optical Zoom Lens



EXTERNAL AUDIO INPUT

Add a microphone or other audio source



POWER OVER ETHERNET

Power and connect to the camera using just one CAT cable



MULTIPLE CONTROL PROTOCOLS

Supports ONVIF, PELCO-D, PELCO-P, VISCA



BG-B20SHAN/BG-B30SHAN**1080P FHD 20X/30X HDMI/SDI/IP/NDI|HX STREAMING BOX
CAMERA WITH AUDIO**

The BG-B20SHAN/BG-B30SHAN 20X/30X optical zoom IP-streaming camera utilizes a high-quality CMOS sensor to deliver crisp HD video signals. Its compact design provides versatile placement options and ease-of-use in a sleek low-profile housing. This camera is well-suited for a wide variety of broadcast and professional A/V applications including lecture streaming, education, room monitoring, studios, and more.

With a 1/2.8" Sony CMOS sensor, the BG-BSHAN series provides crystal clear imaging at resolutions up to 1080p@60Hz. The 20X/30X optical zoom lens allows the camera to capture tight close-ups, even at a distance.

The BG-BSHAN series features simultaneous 3G-SDI, HDMI, and IP streaming outputs. By utilizing the 3.5mm audio input, audio can be embedded into your livestreams and recordings with ease.

**NDI**

Check out this item
on our website

Features**CRYSTAL CLEAR OUTPUT**

Full HD outputs delivers up to 1080p@60Hz video

**NDI**

Power, stream, and control all from 1 CAT 5e/6/7 cable

**ZOOM**

20X/30X Optical Zoom Lens

**EXTERNAL AUDIO INPUT**

Add a microphone or other audio source

**VERSATILE**

Set the perfect shooting angle in Lecture halls, studios, surveillance and more

**MULTIPLE CONTROL PROTOCOLS**

Supports ONVIF, PELCO-D, PELCO-P, VISCA



Capture Cards

BZBGear CAPTURE CARDS

BZBGear capture cards offer a seamless solution for streaming and recording video and audio from external sources such as gaming consoles, cameras, and other devices. By converting HDMI or SDI signals to USB, these capture cards deliver resolutions ranging from 4K@60Hz up to 4K@120Hz, ensuring stunning image clarity and smooth, lag-free performance.

Designed for ease of use, BZBGear capture cards provide a plug-and-play experience, eliminating the need for complex setup or additional software. Fully compatible with popular streaming platforms and software like OBS Studio, Streamlabs OBS, vMix, and XSplit, they allow you to produce professional-grade content with minimal effort.

Whether you're a gamer, content creator, or broadcaster, BZBGear capture cards offer an efficient and high-quality solution for capturing and streaming your gameplay or other media. With features such as Full HD video support, audio integration, and optional 20X/30X optical zoom, these devices are ideal for taking your content creation to the next level.



4K60 TO 4K120
SUPPORT



PLUG-AND-PLAY
FUNCTIONALITY



COMPATIBLE
WITH VARIOUS OS

BG-4KCHA**USB-C 4K60 VIDEO CAPTURE CARD BOX WITH SCALER/HDMI 2.0 LOOP OUT/AUDIO/HDR10 TO SDR CONVERSION SUPPORT**

The BG-4KCHA is an advanced USB-C 4K video capture device with a scaler, HDMI 2.0 loopout, audio, and HDR10 to SDR conversion, designed for professional HDMI video signal capturing. It uses a USB 3.1 Type-C Gen 1 (USB 3.0) interface, allowing for high-speed transmission. Additionally, the HDMI input and loopout can support up to 4K2K@60, enabling users to connect the BG-4KCHA to a 4K@60 source and capture Ultra HD (4K2K@30) video. With the capability to capture and display uncompressed HDMI video, the BG-4KCHA provides more realistic color renditions. Moreover, the BG-4KCHA employs large volume image buffer technology to effectively avoid video tearing, while the high sampling rate and accuracy result in captured videos with high sharpness, rich details, and fewer color edges.

Furthermore, the HDR10 to SDR conversion allows Playstation and Xbox players to enjoy 4K2K@60 HDR games on a 4K TV through the loopout HDMI port and record real-time 4K2K@30/1080P@120 video streams with SDR quality through the USB 3.0 port simultaneously.



[Check out this item
on our website](#)

Features**4K UHD**

Video resolution up to 4K2K@30/1080P@120 (Video stream over USB-C)* HDMI input & loopout up to 4K2K@60

**VOLUME CONTROL**

Use the volume control knobs to adjust the MIC/Headphone volume

**PLUG AND PLAY**

Auto-detection of video format

**SOFTWARE COMPATIBILITY**

Compatible with most 3rd party software such as OBS Studio and AMCap

**MIC-IN-MIX**

Allows the microphone's audio input to be combined or mixed with the audio that is being transmitted through the HDMI connection

**LOW LATENCY**

3~4ms at 1080P



BG-4K120CHA**USB-C 4K120 VIDEO CAPTURE CARD BOX WITH SCALER/HDMI 2.1 LOOP OUT/AUDIO/HDR10 TO SDR CONVERSION SUPPORT**

The BG-4K120CHA is a cutting-edge USB-C 4K@120Hz video capture device with a scaler, HDMI 2.1 loopout, audio, and HDR10 to SDR conversion, designed for professional HDMI video signal capturing. It utilizes a USB 3.1 Type-C Gen 1 (USB 3.0) interface for high-speed transmission. Additionally, the HDMI input and loopout can support up to 4K2K 120Hz, enabling users to connect to a 4K2K 120Hz source and capture Ultra HD (4K2K@30) video. The BG-4K120CHA also captures and displays original uncompressed HDMI video, resulting in more realistic color rendition.

Moreover, the BG-4K120CHA incorporates large volume image buffer technology to effectively avoid video tearing, and the high sampling rate and accuracy ensure images with high sharpness, rich details, and fewer color edges. Furthermore, with HDR10 to SDR conversion, PS5/Xbox Players can enjoy 4K2K@120 HDR games on a 4K TV while recording real-time 4K2K@30/1080P@120 video streams with SDR quality through USB 3.0 simultaneously.



Check out this item
on our website

Features**4K@120HZ**

HDMI input & output up to 4K2K 120Hz 4:4:4/4:2:2/4:2:0

**VOLUME CONTROL**

Use the volume control knobs to adjust the MIC/Headphone volume

**PLUG AND PLAY**

Auto-detection of video format

**SOFTWARE COMPATIBILITY**

Compatible with most 3rd party software such as OBS Studio and AMCap

**MIC-IN-MIX**

Allows the microphone's audio input to be combined or mixed with the audio that is being transmitted through the HDMI connection

**LOW LATENCY**

3~4ms at 1080P



BG-12GCSA**USB-C 12G-SDI VIDEO CAPTURE CARD BOX WITH SCALER/
HDMI 2.0/12G-SDI LOOP OUT AND AUDIO**

The BG-12GCSA is a USB-C 12G-SDI video capture device with a scaler, HDMI 2.0/12G-SDI loopout, and audio that provides a professional way to capture SDI video signals. It adopts a USB 3.1 Type-C Gen 1 (USB 3.0) interface, which allows for high-speed data transmission. Additionally, the SDI input and loopout can support up to 4K2K@60.

Users can connect the BG-12GCSA to a 4K2K@60 source and capture Ultra HD (4K2K@30) video. Furthermore, this unit can capture and display original, uncompressed SDI video, with a more realistic color rendition. The BG-12GCSA uses large volume image buffer technology, which effectively avoids video tearing. The high sampling rate and accuracy ensure that the captured videos have a high degree of sharpness, rich details, and fewer color edges.



[Check out this item
on our website](#)

Features**VOLUME CONTROL**

Use the volume control knobs to adjust the MIC/Headphone volume

**PLUG AND PLAY**

Auto-detection of video format

**SOFTWARE COMPATIBILITY**

Compatible with most 3rd party software such as OBS Studio and AMCap

**MIC-IN-MIX**

Allows the microphone's audio input to be combined or mixed with the audio that is being transmitted through the SDI connection

**LOW LATENCY**

3~4ms at 1080P

**AUTO-DETECTION**

Auto 12G/6G/3G/HD-SDI detection



Integration Tools

NO MORE GUESSWORK

AV integration tools are essential yet often underestimated in a technician's arsenal. These tools not only generate reliable test signals but, in select models, also analyze them, enabling technicians to swiftly diagnose issues with cabling, equipment, and compatibility. With our cutting-edge solutions, you can test HDMI signals at resolutions up to 4K@60Hz on our 4K models, and up to 8K@60Hz and 4K@120Hz on our 8K models.

For SDI signal testing, our 12G-SDI tester supports signals up to 4K@60Hz while maintaining backward compatibility with earlier SDI formats.



4K AND 8K
CAPABILITIES



HDMI AND SDI
SUPPORT



PORTABLE AND
DURABLE DESIGN

BG-AVTPG-MINI

4K/1080P HDMI 2.0 18GBPS PORTABLE SIGNAL TEST GENERATOR AND ANALYZER

The BG-AVTPG-MINI is a portable handheld 4K signal analyzer and test pattern generator. Capable of generating and analyzing HDMI signals at resolutions up to 4096x2160@60Hz 4:4:4, This powerful tool provides users with the ability to quickly test and verify HDMI cabling and equipment.

Supports a maximum resolution of 4K2K@60Hz, the BG-AVTPG-MINI can generate and analyze signals with chroma subsampling rates of 4:4:4 8-bit and 4:2:0 16-bit (HDR). This analyzer is HDCP 1.4 and 2.2 compliant, allowing users to test a wide variety of 1080P and 4K HDMI devices. The rechargeable battery provides an operating time of up to three hours.

The BG-AVTPG-MINI features three useful video test patterns designed to demonstrate signal quality and stability. The adjustable color depth allows users to test range of the connected equipment's capabilities. By connecting the HDMI output to the HDMI input, users receive a link quality estimate based on the HDMI 2.0 Character Error Detection.



[Check out this item on our website](#)

Features



4K SUPPORT

Supports up to 4K2K@60 4:4:4 8-bit, HDR 10-bit, 12-bit, 16-bit



HDCP 2.2

HDCP 1.4 and 2.2 compliant



18GBPS/HDMI 2.0

The maximum bandwidth possible due to the introduction of HDMI 2.0



MOBILE

Hand-held pocket size with 3 hour battery life



EASY TO USE

Simple for anyone to learn



MULTIPLE PATTERNS

Easily and quickly test HDMI devices



BG-AVTPG-MINI-G2

8K/4K/1080P HDMI 2.1 48Gbps PORTABLE SIGNAL TEST GENERATOR AND ANALYZER

The BG-AVTPG-MINI-G2 is a compact and portable device designed for professionals working with HDMI 2.1 signals. As a versatile tool, it serves as both a signal generator and analyzer, catering to installers and integrators. It supports a wide range of HDMI signals, including high-resolution formats like 8K60 4:2:0 10-bit and 8K30 4:4:4, as well as common resolutions like 4K60 and 1080P. For those running 4K at higher refresh rates, it also supports resolutions up to 4K120. The device's adjustable color depth feature enables easy assessment of display capabilities during testing.

In "Sink" mode, the BG-AVTPG-MINI-G2 functions as an HDMI signal detector, providing essential details about detected signals, such as resolution, frame rate, HDCP version, and other key HDMI characteristics. Its compatibility with HDMI 2.1 standards, adherence to HDCP 1.4 and 2.3 standards, and impressive operational range make it a reliable choice. The device's pocket-sized design and rechargeable battery, offering up to 3 hours of usage, enhance its portability for professionals on the move.



Check out this item
on our website

Features



8K SUPPORT

It supports diverse resolutions and color formats, like 8K60 4:2:0 and 8K30 4:4:4, ensuring an accurate display of details and colors



SUPPORTS 4K120

Provides smoother gameplay, reduced input lag, better visual clarity, and high-quality broadcasting for Esports



HDCP TEST CAPABILITY

Validates secure content transmission



BATTERY-POWERED PORTABILITY

Facilitates convenient on-the-go testing and field calibration for optimal performance



FUTURE-PROOF

Embracing a spectrum of resolutions, from the stunningly detailed 8K60 and 4K120 to the widely used 4K80 and 1080p



HDCP PROTECTION

HDCP 1.4 & 2.3 compliant

Multiple-Awards Winner



COMMERCIAL INTEGRATOR
BEST AWARDS 2025 -
INSTALLATION TOOLS & TESTERS



TOP NEW TECHNOLOGY (TNT)
AWARD 2025 - CATEGORY:
INSTALLATION TOOLS AND
TESTERS



SCN HONORS INSTALLATION
PRODUCT AWARDS WINNERS
AT INFOCOMM 2024



BEST OF SHOW - NAB
SHOW 2024: SOUND &
VIDEO CONTRACTOR



BEST IN-FIELD
INTEGRATOR PRODUCT -
RAVE AGENCY - CIX 2023



BG-AVTPG-4K

4K/1080P HDMI 2.0 18GBPS VIDEO TEST PATTERN GENERATOR/TESTER AND ANALYZER WITH ETHERNET

The BG-AVTPG-4K is a HDMI 2.0 test pattern generator and analyzer designed for professional A/V integrators and technicians. With a versatile array of functions and features, it's an essential part of any professional's toolkit. Capable of sending and receiving HDMI signals up to 4096 x 2160 4:4:4, this device makes it easy to test and verify functionality of AV cabling and equipment. Designed for the rigors of field use, the BG-AVTPG-4K is encased in a sturdy metal chassis with shock-resistant rubberized edges.

This portable device can be charged in as little as two hours with an operation time of up to four hours. Featuring an easy-to-use touchscreen interface, it is also equipped with a USB 2.0 port that can be used to connect a mouse for enhanced control.

Loaded with useful functions including a cable tester, multiple static and moving test patterns, a multi-channel audio tone generator, and EDID reader, the AVTPG-4K makes short work of troubleshooting HDMI connection problems. By utilizing the Ethernet connection, this device can be placed remotely and controlled via IP commands.



[Check out this item on our website](#)

Features



4K SUPPORT

4K2K@60 4:4:4 8-bit, 4K2K@60 4:2:0 16-bit HDR pattern generator



USB 2.0

Supports mouse control



AUDIO SUPPORT

8ch LPCM with selectable sampling rate up to 192kHz



3.5 MM OUTPUT

Allows for testing of analog audio equipment



DURABLE CHASSIS

Designed to hold up to the demands of field work



18GBPS

High-bandwidth HDMI



BG-SDITPG-G2

**4K/1080P 12G-SDI VIDEO TEST PATTERN GENERATOR
(12G/6G/3G/HD-SDI SUPPORT)**

Introducing the BG-SDITPG-G2 12G/6G/3G/HD/SD-SDI Pattern Generator, the ultimate tool for SDI pattern generation and testing. This state-of-the-art device offers multi-format support for 12G/6G/3G/HD/SD and a wide range of test patterns, making it an essential tool for professionals in broadcasting, professional AV, and related industries.

The BG-SDITPG-G2 features a comprehensive set of video test patterns, including still and moving patterns, as well as audio support (SMPTE-291M) with up to 8 channels of AES-compliant audio at a 48KHz sample rate. With this generator, you can calibrate and test SDI-enabled video devices and displays with ease and precision. Designed for intuitive operation, the BG-SDITPG-G2 comes equipped with four buttons, a rotary switch, and an LCD screen, ensuring effortless control and management. Its user-friendly interface allows for quick access to various features, making it a cost-effective solution for all your SDI pattern generation needs.

Whether you're working with NTSC, PAL, 720p, 1080i, 1080p, or even 4K2K resolutions, the BG-SDITPG-G2 supports a wide range of output resolutions and bit rates. It delivers reliable performance and supports 10-bit color space, ensuring accurate and high-quality signal testing.



[Check out this item
on our website](#)

Features



MULTI-FORMAT SUPPORT
12G/6G/3G/HD/SD-SDI



MULTI-PATTERN FUNCTIONALITY
Still and moving video test patterns



AUDIO SUPPORT
Up to 8 channels of AES-compliant audio at 48KHz sample rate (SMPTE-291M)



INTUITIVE CONTROLS
Four buttons, rotary switch, and LCD screen



EASY SAVING
Save settings to memory



PRESET SUPPORT
Supports preset modes for added convenience



BG-4KBHS-PRO

HDMI 2.0 & 12G/6G/3G/HD-SDI CROSS CONVERTER AND SCALER WITH 3.5" LCD DISPLAY/BUILT-IN TEST PATTERNS / AUDIO EMBEDDER/DE-EMBEDDER

The BG-4KBHS-PRO is a professional-grade HDMI 2.0 and 12G/6G/3G/HD-SDI cross-converter and scaler built for high-performance signal conversion, monitoring, and analysis. Designed for broadcast, production, and professional AV applications, it supports up to 12G-SDI 4K60 and HDMI 2.0 4K60 video formats for seamless interoperability across a wide range of devices. Featuring an integrated 3.5" LCD display and intuitive push-button controls, it enables real-time signal monitoring and effortless on-screen configuration of video, audio, and output parameters.

Beyond simple conversion, the BG-4KBHS-PRO is a comprehensive diagnostic and calibration tool. Its advanced waveform and audio metering functions, combined with built-in test patterns and flexible scaling capabilities, make it an indispensable device for field engineers, content creators, and AV technicians who demand precision and reliability in every workflow.

For professional video analysis, the processor provides YCbCr waveform display, RGB monitoring, and audio level metering, viewable directly via the OSD or LCD interface. Engineers can access a suite of built-in test patterns to evaluate signal integrity, perform color calibration, or verify display alignment.



Check out this item
on our website

Features



DUAL-FORMAT CONVERSION

Supports simultaneous HDMI ↔ SDI cross-conversion with passthrough options



4K60 ULTRA HD SUPPORT

Handles HDMI 2.0 and 12G-SDI signals up to 4K2K @ 60Hz for superior clarity



INTEGRATED LCD DISPLAY

3.5" screen provides real-time video preview and on-screen control interface



ADVANCED VIDEO ANALYSIS

Features YCbCr waveform, RGB monitoring, and audio level meters with OSD overlay



BUILT-IN TEST PATTERNS

Enables quick calibration and signal verification in professional environments



AUDIO EMBEDDING & EXTRACTION

S/PDIF I/O allows precise audio signal routing between HDMI and SDI



BG-AVTPG-KIT

BG-AVTPG-4K AND BG-AVTPG-MINI INSTALLER KIT

The BG-AVTPG-KIT combines 2 of our best selling HDMI tester/analyzers for a comprehensive toolkit that should be a part of every professional installer's arsenal. The kit includes one BG-AVTPG-4K and one BG-AVTPG-MINI in a foam-lined protective case built to withstand years of job site abuse. The kit allows for full end-to-end testing of all HDMI-related cabling and gear, allowing installers to quickly identify and correct issues that would otherwise complicate and delay progress.



Check out this item
on our website

Features



4K SUPPORT

Supports up to 4K2K@60 4:4:4 8-bit, HDR 10-bit, 12-bit 16-bit



HDCP 2.2

HDCP 1.4 and 2.2 compliant



18GBPS/HDMI 2.0

The maximum bandwidth possible due to the introduction of HDMI 2.0



18GBPS

High-bandwidth HDMI



DURABLE CHASSIS

Designed to hold up to the demands of field work



3.5 MM OUTPUT

Allows for testing of analog audio equipment



BG-AVTPG2-KIT

BG-AVTPG-4K and BG-AVTPG-MINI-G2 Installer Kit

The BG-AVTPG2-KIT combines 2 of our best selling HDMI tester/analyzers comprehensive toolkit that should be a part of every professional installer's arsenal. The kit includes one BG-AVTPG-4K and one BG-AVTPG-MINI-G2; foam-lined protective case built to withstand years of job site abuse. It allows for full end-to-end testing of all HDMI-related cabling and allowing installers to quickly identify and correct issues that would otherwise complicate and delay progress.



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COMMERCIAL INTEGRATOR
BEST AWARDS 2025



TOP NEW TECHNOLOGY (TNT)
AWARD 2025



SCN INSTALLATION PRODUCT
AWARDS 2024



BEST OF SHOW - NAB
SHOW 2024

Features



4K SUPPORT

Supports up to 4K2K@60 4:4:4 8-bit,
HDR 10-bit, 12-bit 16-bit



HDCP 2.2

HDCP 1.4 and 2.2 compliant



18GBPS/HDMI 2.0

The maximum bandwidth possible
due to the introduction of HDMI 2.0



BG-AVTPG-8K

8K UHD HDMI 2.1 48GBPS ADVANCED SIGNAL TEST GENERATOR AND ANALYZER(1080P/4K/8K SUPPORT)

The BG-AVTPG-8K stands out as an HDMI 2.1 signal generator and analyzer, serving as an indispensable and versatile tool specifically crafted for integrators. It effortlessly accommodates the full bandwidth of HDMI 2.1 and HDCP 2.2, streamlining the installation and troubleshooting processes like never before.

This compact and portable device comes equipped with a robust rechargeable battery, an array of video test patterns, user-friendly touch panel controls, and convenient access to cloud-based firmware upgrades. Furthermore, the BG-AVTPG-8K boasts the capability to support up to 8 channels of LPCM audio with selectable sample rates.

The loop-through function of the BG-AVTPG-8K allows the connected HDMI input to seamlessly transmit to an external display or its own built-in 7.0" touch screen. This feature empowers users to swiftly verify HDMI sources, displays, and cables. Additional functionalities, such as the HDCP analyzer and loop tester, ensure that installers have all the essential tools at their fingertips, simplifying their tasks with efficiency.



BEST OF SHOW - ISE 2024:
SOUND & VIDEO CONTRACTOR
WINNER



2024 TOP NEW TECHNOLOGY
(TNT) AWARD - CATEGORY:
RESIDENTIAL > INSTALLATION
TOOLS AND TESTERS



Check out this item
on our website

Features



FUTURE PROOF

8K60 4:2:0 8-bit, 8K30 4:4:4, 4K2K
120Hz & 4K2K@60 10-bit/12-bit HDR
pattern generator



ENHANCED UX

7.0" touch panel for quick and easy
access



CONTROL OPTIONS

Mouse control and control via
Ethernet



SIMPLIFIED MONITORING

HDMI loop through functionality



HDCP COMPLIANT

HDCP analyzer and generator that
is able to transmit HDCP encrypted
video



RECHARGEABLE BATTERY POWERED

Portable for up to 9 hours on a full
charge



Joystick Controllers

MANAGE MULTIPLE CAMERAS

BZBGEAR Joystick Camera Controllers provide precise, intuitive control for PTZ cameras, making them an ideal solution for both professionals and beginners. Whether you're operating a single camera or managing a multi-camera setup, these controllers streamline navigation, ensuring smooth, accurate camera movements. With the ability to easily recall presets at the touch of a button, the user experience is seamless and efficient.

These controllers, when paired with advanced software solutions, offer unparalleled ease of use and exceptional precision for any setup. Designed for maximum versatility, BZBGEAR Joystick Controllers are compatible with a wide range of cameras, supporting both IP and serial control protocols. This ensures effortless integration with both modern and legacy systems—whether you're upgrading an existing configuration, managing a hybrid setup, or building a new one from scratch.

Select models also feature camera feed monitoring and direct video output through HDMI and/or IP, offering even more flexibility and functionality for your AV needs.



SUPPORT FOR
MULTIPLE PROTOCOLS



POE SUPPORT



ADVANCED IMAGE
SETTINGS

BG-COMMANDER

UNIVERSAL ADVANCED SERIAL AND IP PTZ JOYSTICK CONTROLLER WITH POE (IP/RS-232/422/485)

The BG-Commander PTZ joystick controller delivers precise control for both IP and serial PTZ cameras. With high-quality backlit buttons, the BG-Commander offers a pleasing user experience - even in low-light conditions. The solid metal chassis provides a durable, stable platform and is designed to stand up to years of heavy use, regardless of the setting. This controller is a great choice for live events, houses of worship, and broadcasting scenarios.

Capable of controlling over 250 cameras, the BG-Commander provides a clean and uncluttered platform with 7 camera hot keys for your favorite devices and the capability to select other cameras by pressing and holding zero (0) for an extended selection makes this unit ideally suited for small to medium-scale productions.

Control for either IP or serial based PTZ cameras is provided by a LAN port or RS232, RS422, and RS485 connections. The BG-Commander supports IP VISCA, ONVIF, VISCA, PELCO-D, and PELCO-P control protocols.



Check out this item
on our website

Features



IP-CONTROL

Easily control any compatible IP camera



POE ENABLED

Single cable installation



SIMPLE TO USE

Logical layout allows anyone to take control with minimal training



VARIABLE SPEED

Adjust PTZ speed to get the perfect shot every time



FOUR CONTROL MODES

IP VISCA, ONVIF, RS422, and RS232



INTEGRATED LCD SCREEN

Review settings at a glance



BG-COMMANDER-G2

UNIVERSAL ADVANCED SERIAL AND IP PTZ JOYSTICK
CONTROLLER WITH 5" TOUCH LCD SCREEN AND POE/
RS-232/422/485

The BG-Commander-G2 is our 2nd generation Commander PTZ joystick controller delivering precise control for both IP and serial PTZ cameras. With high-quality backlit buttons, the BG-Commander-G2 offers a pleasing user experience—even in low-light conditions. The solid metal chassis provides a durable, stable platform and is designed to stand up to years of heavy use. This controller is a great choice for live events, houses of worship, and broadcast settings.

Capable of controlling over 250 cameras, the BG-Commander-G2 provides a clean and uncluttered platform with 7 camera hot keys for your favorite devices and the capability to select other cameras with a simple button press makes this unit ideally suited for small- to medium-scale productions.

Control for either IP or serial based PTZ cameras is provided by a LAN port or RS232, RS422, and RS485 connections. The BG-Commander-G2 supports IP VISCA, ONVIF, VISCA, PELCO-D, and PELCO-P control protocols.



[Check out this item
on our website](#)

Features



IP-CONTROL

Easily control any compatible IP camera



POE ENABLED

Single cable installation



5-INCH TOUCHSCREEN DISPLAY

The large touchscreen display makes management and monitoring simple



VARIABLE SPEED

Adjust PTZ speed to get the perfect shot every time



FOUR CONTROL MODES

IP VISCA, ONVIF, RS422, and RS232



INTEGRATED LCD SCREEN

Review settings at a glance



BG-COMMANDER-PRO

PROFESSIONAL SERIAL AND IP PTZ JOYSTICK CONTROLLER WITH TOUCHSCREEN AND POE (IP/RS-232/422/485)

The BG-COMMANDER-PRO is a versatile PTZ camera joystick controller featuring a 7" touch screen, real-time video previews, and Android 11 OS. It supports simultaneous viewing of 4 RTSP streams or a single full-screen image. With H.265/H.264 decoding, it offers efficient video processing.

The BG-COMMANDER-PRO also facilitates HDMI projection and can output 4 additional RTSP streams to an external display for simplified monitoring. It provides seamless PTZ control for preset positions, focus, zoom, and exposure settings, and can even access a camera's web interface. Designed for BG-ADAMO cameras, the unit offers quick access to red/green tally lights control and auto tracking activation.



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Check out this item
on our website

Features



IP-CONTROL

Easily control any compatible IP camera



POE ENABLED

Single cable installation



SIMPLE TO USE

Logical layout allows anyone to take control with minimal training



7" TOUCHSCREEN

The large touchscreen makes video viewing and management simple



MULTIPLE CONTROL MODES

RS232, RS422/485, ONVIF, IP VISCA, PELCO-P, PELCO-D, and NDI



HDMI PROJECTION

Transmit audio and video signals from the controller to a larger display device, such as a projector or a TV



BG-COMMANDER-ULTRA

**4K UHD SERIAL AND IP 4-CHANNEL PRODUCTION SWITCHER/
JOYSTICK CONTROLLER COMBO WITH TOUCHSCREEN AND
POE (IP/RS-232/422/485)**

The BG-COMMANDER-ULTRA is a state-of-the-art 4K HDMI production studio device that integrates a 4K HDMI switcher interface and a PTZ joystick controller. Designed to meet the needs of high-performance video production environments, it offers a comprehensive range of features and robust connectivity options. This versatile unit excels in handling complex video and audio tasks, including camera control, video mixing, and advanced signal management.

The BG-COMMANDER-ULTRA is the ideal solution for high-end video production studios seeking a reliable and feature-rich device to handle complex video and camera control tasks. Its advanced functionality, robust build, and extensive connectivity options make it a valuable addition to any professional AV setup.



[Check out this item
on our website](#)

Features



4K HDMI PRODUCTION

Supports up to 4K2K@60Hz resolution with both HDR and SDR capabilities, ensuring superior video quality and color depth for professional production applications



ADVANCED AUDIO SUPPORT

Provides LPCM audio support and analog stereo output via XLR connectors for high-quality sound management



ADVANCED SWITCHER SOFTWARE

Unlock a powerful suite of video and audio mixing and switching tools with our intuitive, free software interface. Accessible via RS-232 and IP



INTEGRATED CAPTURE CARD

Stream high-quality content directly from the integrated capture through the USB-C output port



INTEGRATED MICRO SDXC

Capture and store your Program output feed directly with the built-in Micro SDXC card slot for hassle-free recording



VERSATILE OPERATING MODES

Effortlessly toggle between PTZ Camera Controller and 4-Channel Switcher modes via the on-screen display (OSD) menu



Mounts / Brackets

DURABLE MOUNTS

For robust camera and AVoIP installations, the BZBGear ProGear line offers durable mounts and adapters engineered from heavy-gauge steel. Our camera mounts are designed for both wall and ceiling installations, ensuring compatibility and stability.

AVoIP brackets are meticulously crafted for seamless integration into various AV racks, providing a reliable and professional solution for your installation needs.



HEAVY-GUAGE
STEEL



DIVERSE MOUNTING
OPTIONS



UNIVERSAL MOUNTING
OPTIONS

BG-UCM

UNIVERSAL PTZ CAMERA CEILING MOUNT

The Universal Ceiling Mount Bracket from BZBGear is a slim-profile mount designed to attach your PTZ camera to the ceiling. The mount features multiple mounting points to accommodate various mounting options and the rubberized surface prevents unwanted movement. It is constructed from heavy-gauge steel and covered with a powder-coated finish. This bracket mounts directly to wood, drywall, or masonry with the supplied anchors. Camera mounting hardware is included.



[Check out this item
on our website](#)

Available in color



BLACK



GREY



WHITE

BG-UWM

UNIVERSAL PTZ CAMERA WALL MOUNT

The Universal Wall Mount Bracket from BZBGear is a slim-profile mount designed to position a camera to any wall for secure and stable PTZ camera placement. The mount features multiple mounting points to accommodate various mounting options and the rubberized surface prevents unwanted movement. It is constructed from heavy-gauge steel and covered with a powder-coated finish. This bracket mounts directly to wood, drywall, or masonry with the supplied anchors. Camera mounting hardware is included.



[Check out this item
on our website](#)

Available in color



BLACK



GREY



WHITE

BG-IPGEAR-PRO-ACC-RB

BLANK MOUNTING BRACKET FOR BG-IPGEAR-PRO-ACC-RM10 RACK SHELF FOR BG-IPGEAR-PRO-T/R UNITS

Elevate your rack organization with the BG-IPGEAR-PRO-ACC-RB, a sleek and functional blank cover designed to seamlessly fill empty slots in the BG-IPGEAR-PRO-ACC-RM10 rack shelf.



[Check out this item
on our website](#)

BG-IPGEAR-PRO-ACC-RM

MOUNTING BRACKET FOR THE BG-IPGEAR-PRO-ACC-RM10 RACK SHELF FOR BG-IPGEAR-PRO-T/R UNITS

Introducing the BG-IPGEAR-PRO-ACC-RM, a specialized bracket crafted for seamless mounting of your BG-IPGEAR-PRO transmitter or receiver in AVoIP setups. Effortlessly optimize your AVoIP workspace with the BG-IPGEAR-PRO-ACC-RM10 4RU Rack shelf, ensuring a secure fit, efficient cable management, and a streamlined setup. Upgrade your AVoIP environment with the professional touch of the BG-IPGEAR-PRO-ACC-RM, where form meets function for an elevated experience.



[Check out this item
on our website](#)

BG-IPGEAR-PRO-ACC-RM10

4RU RACK FOR 10PCS BG-IPGEAR-PRO-T/R

Introducing the BG-IPGEAR-PRO-ACC-RM10, a robust 4RU Rack meticulously designed to optimize the performance of your 10-Piece BG-IPGEAR-PRO transmitter or receiver application. Crafted for durability and seamless integration, this rack elevates your equipment setup to new heights, ensuring a reliable and organized solution for your audiovisual needs.

Experience the perfect blend of strength and functionality, as the BG-IPGEAR-PRO-ACC-RM10 takes your transmission and reception capabilities to the next level, setting the standard for professional-grade rack solutions. Elevate your audiovisual experience with a rack built to withstand the demands of your dynamic applications.



[Check out this item
on our website](#)

BG-VOP-ACC-RB

BLANK MOUNTING BRACKET FOR BG-VOP-ACC-RM10 RACK SHELF FOR BG-VOP-MT UNITS

The BG-VOP-ACC-RB is a blank cover for empty slots in the BG-VOP-ACC-RM10 rack shelf.



[Check out this item on our website](#)

BG-VOP-ACC-RM

MOUNTING BRACKET FOR THE BG-VOP-ACC-RM10 RACK SHELF FOR BG-VOP-MT UNITS

The BG-VOP-ACC-RM is a special bracket that attaches to the BG-VOP-MT transceiver, making the transceiver mountable for the BG-VOP-ACC-RM10 4RU Rack shelf.



[Check out this item on our website](#)

BG-VOP-ACC-RM10

4RU RACK FOR 10PCS BG-VOP-MT TRANSCEIVER

The BG-VOP-ACC-RM10 is a durable 4RU Rack for a 10-Piece BG-VOP-MT transceiver application.



[Check out this item on our website](#)

Multiviewers

TOP-OF-THE-LINE MULTIVIEWERS

A multiviewer from BZBGear allows you to display multiple sources simultaneously on a single screen. Multiviewers are perfect solutions for presentation spaces, educators, surveillance monitoring, conference rooms, security professionals, and more! BZBGear multiviewers produce outstanding images that pair perfectly with the highest-quality displays on the market.

With the accompanying PC software (only available with certain models) you can create custom arrangements. Each source is fully adjustable for both size and position on the screen, allowing you to dial in the perfect setup. The BZBGear multiviewer control software will also allow you to manage image settings, so you can ensure the best quality is being displayed. This software is free to download and free to use.

Overall, BZBGear offers one of the best line-ups of multiviewers in the industry. Select products are also TAA compliant, authorizing the equipment for government use. Contact a BZBGear representative today and improve your system!



**SOFTWARE
CONTROLLABLE**



PLUG AND PLAY



AUTO-SCALING

BG-UHM

4K UHD USB/HDMI VIDEO SELECTOR AND MIXER

The BG-UHM USB/HDMI Video Selector and Mixer is a versatile and feature-rich solution designed to meet the demands of modern video production environments. Engineered for seamless integration, this compact device allows users to connect, switch, and mix multiple video sources effortlessly, offering unparalleled flexibility and functionality in a single unit.

The BG-UHM supports up to three video sources, including USB 3.0, USB 2.0, and HDMI inputs, enabling users to integrate diverse devices like webcams, laptops, and document cameras. With its customizable video mixing options, the BG-UHM delivers professional-quality results, allowing users to create unique layouts such as Picture-in-Picture (PiP), side-by-side, and big and small overlays. These layouts can be easily configured through a user-friendly web interface, making the device suitable for both novice and experienced users.



Check out this item
on our website

Features



MULTI-SOURCE CONNECTIVITY

1x USB 3.0, 1x USB 2.0, 1x HDMI 1.4



CUSTOMIZABLE VIDEO MIXING

Blend up to two input sources into a single output with layouts such as Picture-in-Picture (PiP), side-by-side, and overlay options. Layouts are fully configurable via the intuitive web interface



OUTPUT FLEXIBILITY

1x HDMI 2.0 output, 1x USB-C (UVC/UAC) output



AUDIO MANAGEMENT

Integrated audio mixing with inputs via HDMI, USB, and analog jacks. Mute video/audio streams as needed for precise control over live broadcasts



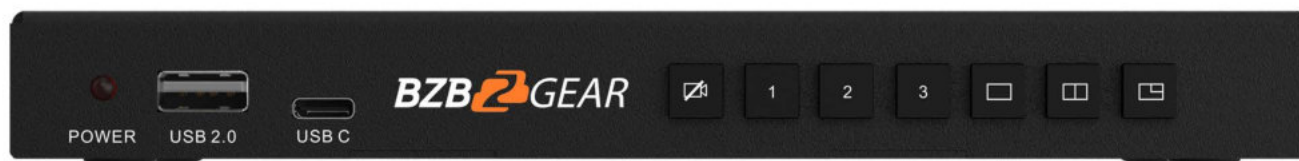
ADVANCED CONTROL OPTIONS

Manage the device via LAN, RS-232, or the web-based GUI for ultimate flexibility.



PoE SUPPORT

Power the device via PoE (802.3af), reducing cable clutter and simplifying installation



BG-UHD-MVS21A

2X1 4K UHD HDMI SEAMLESS SWITCHER/MULTIVIEWER WITH AUDIO DE-EMBEDDING

The 4K@60 2x1 Multiviewer Seamless UHD Video Switcher is designed to allow you to display multiple video sources at 4K resolution on a single screen. It combines two video signals and allows you to manage each input, create combinations of the two inputs, and adjust their positions on the display.

Besides instant switching between 2 sources the BG-UHD-MVS21A has the ability to display the two video inputs in a Picture-in-Picture (PIP) or Picture-by-Picture (PBP) mode. In PIP mode, one of the video inputs is displayed as a small inset window on top of the other input, which takes up the majority of the screen. In PBP mode, the two video inputs are displayed side-by-side, taking up equal or partial amounts of screen space.

This device supports a wide range of input resolutions up to 4096x2160p 60Hz. It also could de-embed audio from any of the sources in different formats for your external audio system. Supported audio formats are LPCM, AC3, DD+, DTS, DTS- HD. User can control the volume of audio in LPCM format. Multiple control options are available for the BG-UHD-MVS21A. It can be controlled through the front panel buttons, an IR remote, or RS-232 commands. EDID control is available through the RS-232 interface.



[Check out this item
on our website](#)

Features



SECURE CONTENT

HDMI 2.0b, HDCP 2.2, and HDCP 1.x compliant



4K RESOLUTION

Input and output resolutions support up to 4K2K@60 4:4:4



AUDIO MANAGEMENT

Volume control and independent audio selection



EDID MANAGEMENT

Seamless scaling for the best results



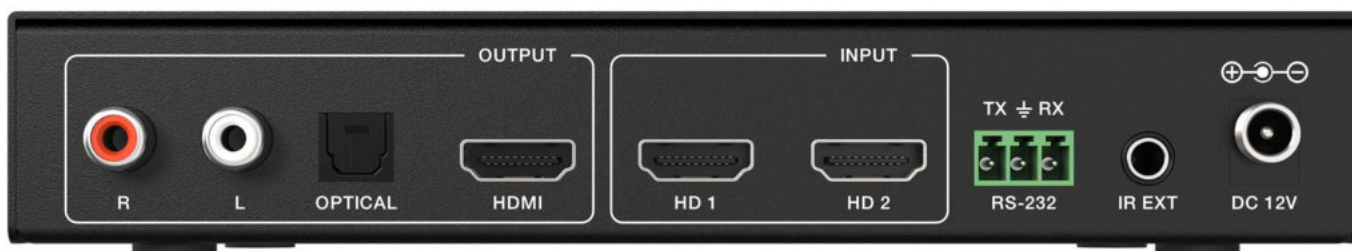
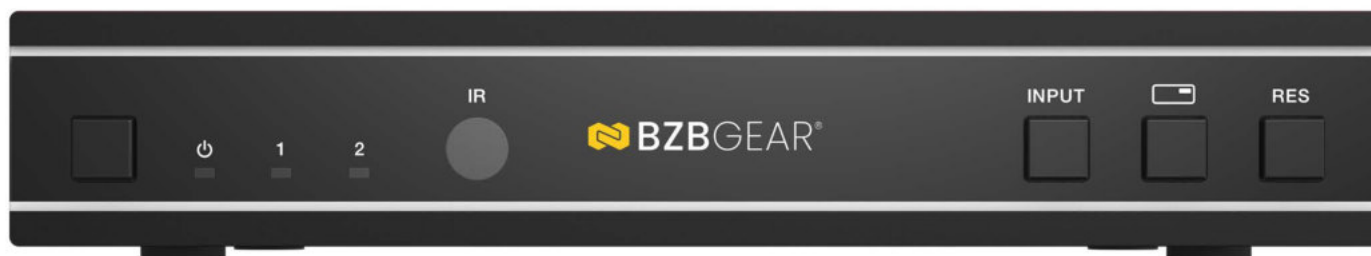
CONTROL OPTIONS

Control via front panel buttons, IR remote, RS-232 commands



COMPACT DESIGN

For easy and flexible installation



BG-UHD-MVS41A

4X1 4K UHD HDMI SEAMLESS SWITCHER/QUAD MULTIVIEWER WITH AUDIO DE-EMBEDDING

The 4K@60 4x1 Multiviewer Seamless UHD Video Switcher is designed to allow you to display multiple video sources at 4K resolution on a single screen. It combines four video signals and allows you to manage each input, create combinations of the four inputs, and adjust their positions on the display.

Besides instant switching between 4 sources the BG-UHD-MVS41A has the ability to display the four video inputs in a Picture-in-Picture (PIP) or Picture-by-Picture (PBP) mode. In PIP mode, one of the video inputs is displayed as a small inset window on top of the other input, which takes up the majority of the screen. In PBP mode, the four video inputs are displayed side-by-side, taking up equal or partial amounts of screen space.

This device supports a wide range of input resolutions up to 4096x2160p 60Hz. It also could de-embed audio from any of the sources in different formats for your external audio system. Supported audio formats are LPCM, AC3, DD+, DTS, DTS- HD. User can control the volume of audio in LPCM format.



[Check out this item on our website](#)

Features



SECURE CONTENT

HDMI 2.0b, HDCP 2.2, and HDCP 1.x compliant



4K RESOLUTION

Input and output resolutions support up to 4K2K@60 4:4:4



AUDIO MANAGEMENT

Volume control and independent audio selection



EDID MANAGEMENT

Seamless scaling for the best results



CONTROL OPTIONS

Control via front panel buttons, IR remote, RS-232 commands



COMPACT DESIGN

For easy and flexible installation



BG-UMV-HA41

4X1 4K UHD HDMI SEAMLESS SWITCHER/SCALER/ MULTIVIEWER WITH IP/RS-232/AUDIO DE-EMBEDDING

Introducing the BG-UMV-HA41: the ultimate 4K multi-view switcher for seamless presentation and video switching. This innovative device lets you view up to four video sources on a single HDMI output simultaneously, with the option to switch between full-screen mode or multi-view windows with just a push of a button. The result is a dynamic viewing experience that's perfect for conferences, presentations, and more.

Thanks to its 4K resolution, the BG-UMV-HA41 captures every detail from each video source, delivering stunning picture quality that's sure to impress. And with two audio outputs that support audio de-embedding.

The BG-UMV-HA41 is designed with connectivity and control in mind, featuring auto video scaling for each of the four HDMI inputs to ensure compatibility with 4K displays. The device also supports audio embedding via its dual audio input, allowing you to use external audio source as microphone or audio player for background music.



[Check out this item
on our website](#)

Features



HIGH RESOLUTION INPUTS
Input Up To 4K@30Hz 4:4:4 Chroma



CONTROL OPTIONS
IR remote, RS-232, Web GUI, or
Front Panel Buttons



SEAMLESS SWITCHING
Quick And Easy Source Switching



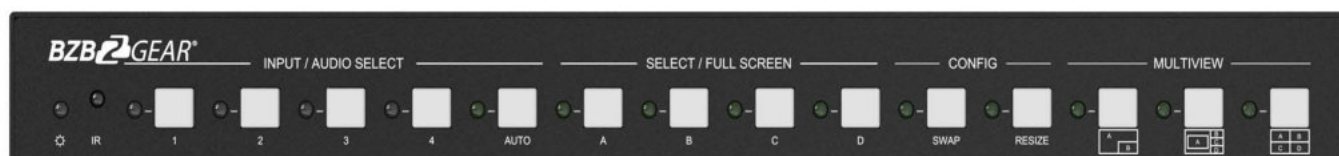
AUDIO EMBEDDING
3-Pin Line-In And Mix Inputs



AUDIO DE-EMBEDDING
3.5mm Analog And TOSLINK Digital
Outputs



MULTI-VIEW
Simultaneously Display Multiple
Inputs On A Single Monitor



BG-UHD-MVS42MA

4X2 4K UHD HDMI SEAMLESS SWITCHER/QUAD MULTIVIEWER WITH AUDIO DE-EMBEDDING

The 4K@60 4x2 Multiviewer Seamless UHD Video Matrix Switcher is designed to allow you to display multiple video sources at 4K resolution on two screens. It combines four video signals and allows you to manage each input, create combinations of the four inputs, and adjust their positions on the displays.

Besides instant switching between 4 sources and routing to two displays the BG-UHD-MVS42MA has the ability to display the four video inputs in a Picture-in-Picture (PIP) or Picture-by-Picture (PBP) mode. In PIP mode, one of the video inputs is displayed as a small inset window on top of the other input, which takes up the majority of the screen. In PBP mode, the four video inputs are displayed side-by-side, taking up equal or partial amounts of screen space.

This device supports a wide range of input resolutions up to 4096x2160p 60Hz. It also could de-embed audio from any of the sources in different formats for your external audio system. Supported audio formats are LPCM, AC3, DD+, DTS, DTS- HD. User can control the volume of audio in LPCM format.

It can be controlled through the front panel buttons, an IR remote, or RS-232 commands. EDID control is available through the RS-232 interface.



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Features



SECURE CONTENT

HDMI 2.0b, HDCP 2.2, and HDCP 1.x compliant



4K

Input and output resolution up to 4K2K@60 4:4:4



AUDIO FORMATS

LPCM, DD+, DTS, Dolby TrueHD, DTS HD-master pass-through



CONTROL OPTIONS

Control via front panel buttons, IR remote, RS-232 commands



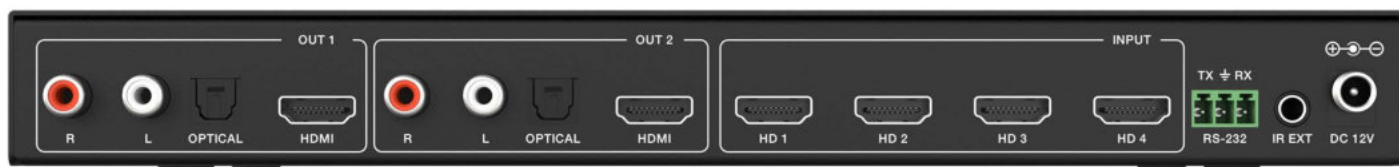
EDID MANAGEMENT

Seamless scaling for the best results



COMPACT DESIGN

For easy and flexible installation



BG-UHD-QVP-4X2

**4X2 4K UHD SEAMLESS SWITCHER/SCALER/MULTIVIEWER
WITH AUDIO DE-EMBEDDING AND BUILT-IN USB CAPTURE
CARD**



The BG-UHD-QVP-4X2 is a powerful video processor that provides users with flexible and cost-effective solutions for routing ultra-high definition video from any of the four UHD HDMI sources to two remote displays simultaneously. With 4K2K@60 4:4:4 video resolution, this video processor delivers top-notch video quality with rich, vivid colors and crisp images.

One of the most impressive features of the BG-UHD-QVP-4X2 is its built-in USB 3.0 capture & auto scaling down features that allow users to record video or broadcast up to 1080p video & 2ch audio through real-time software such as Skype or Zoom.

With adjustable size & position of the image, the BG-UHD-QVP-4X2 provides users with complete control over how their content is displayed. Additionally, the processor supports PIP, PBP, POP, full screen & quad-view display, allowing users to create dynamic layouts and presentations that capture their audience's attention. The BG-UHD-QVP-4X2 also supports titles, borders, and colored backgrounds, which can be used to enhance the presentation's visual appeal.



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Features



HIGH RESOLUTION INPUTS
Input Up To 4K@30Hz 4:4:4 Chroma



SEAMLESS SWITCHING
Quick And Easy Source Switching



CONTROL OPTIONS
IR remote, RS-232, Web GUI, or
Front Panel Buttons



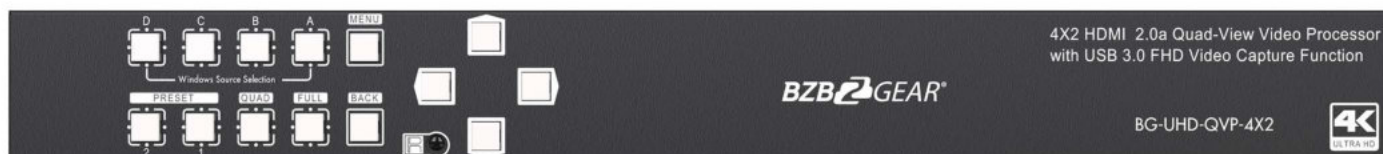
USB CAPTURE
Convert HDMI Sources And Output
Via USB 3.0 At Up To 1080p@60Hz



LOOP OUT
UVC1.0 Monitor Output



AUDIO OUTPUT
Extract Audio From Current HDMI
Input



BG-4K-VP44

4X4 4K UHD SEAMLESS HDMI MATRIX SWITCHER/VIDEO WALL PROCESSOR/MULTIVIEWER WITH SCALER/IR/AUDIO/IP AND RS-232

The BG-4K-VP44 is a powerful video processor and supports four HDMI inputs that can be independently routed to HDMI Outputs. This unit can create video walls, act as a multi-viewer and perform matrix functions! The BG-4K-VP44 supports Video Wall configurations of up to 7 different modes with each monitor. It can also display four pictures on the same screen and has multiple split display modes.

With max resolutions up to 4K@60HZ 4:4:4, the BG-4K-VP44 is capable of producing high-quality imagery with pristine detailing and rich color. All HDMI ports on this unit are HDCP 2.2 compliant. This device also supports analog audio extraction, and audio channels can be switched independently.

The BG-4K-VP44 offers multiple control methods including front panel controls, IR remote control, RS-232, or IP control. The included IR receiver allows the unit to be controlled with the included remote while located out of sight for a clean installation.



PROCESSING AND DISTRIBUTION
TECHNOLOGY OF THE YEAR - AV
AWARDS 2023 FINALISTS



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Features



4X4 MATRIXING

4x HDMI Inputs that can be independently routed to 4 HDMI Outputs



VIDEO WALL

Supports Video Wall up to 7 different modes with each monitor



MULTIVIEW CAPABILITIES

It can display 4 pictures on the same screen and has multiple split display modes



HDCP COMPLIANT

HDCP 2.2 compliancy ensures copyright protection



CONTROL OPTIONS

Control via panel button, Remote Control, RS232 Control, TCP/IP Control



4K@60HZ

Support for 4K@60Hz 4:4:4 8-bit, HDCP 2.2



BG-4K-VP44PRO

4X4 4K UHD SEAMLESS HDMI MATRIX SWITCHER/VIDEO WALL PROCESSOR/MULTIVIEWER OVER CAT5E/6/7 KIT WITH 4 RECEIVERS

Introducing the BG-4K-VP44PRO: Your Ultimate 4x4 HDMI 2.0 CAT5/6/7 Seamless Matrix. Experience the next level of video distribution with the BG-4K-VP44PRO, a versatile all-in-one solution that's redefining the audiovisual landscape. Packed with advanced features like video wall and multi-view modes, this device unleashes a new era of flexibility, empowering your audiovisual setup with unmatched signal extension capabilities for even the most expansive spaces. Its sophisticated audio matrixing ensures crystal-clear sound, while the Power over Cable (PoC) functionality eliminates cable clutter, streamlining your setup and providing a cleaner, more efficient solution. Upgrade your AV setup today with the BG-4K-VP44PRO and elevate your entertainment experience to new heights.



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on our website

Features



SIGNAL EXTENSION

Extent your HDMI signals up to 70m (229ft) over CAT5



AUDIO MATRIXING

Analog audio embedded & extraction - the audio can be independently routed



POC

Power over Cable enables devices to be powered and centralized via a single cable connection



MULTIVIEW MODE

Display 4 different sources on the same screen



VIDEO WALL MODE

Supports up to a 2X2 video wall - Up to 7 different modes built-in and supports cascading



4K UHD

Support for 4K@60Hz 4:4:4 8-bit, HDCP 2.2



BG-4K-VP88

8X8 4K UHD SEAMLESS HDMI MATRIX SWITCHER/VIDEO WALL PROCESSOR/MULTIVIEWER WITH SCALER/IR/AUDIO/IP AND RS-232

The BG-4K-VP88 supports eight HDMI inputs that can be independently routed to HDMI Outputs. This unit can create video walls, act as a multi-viewer and perform matrix functions! The BG-4K-VP88 supports video wall configurations of up to 7 different modes with each monitor. It can also display eight pictures on the same screen and has multiple split display modes.

With max resolutions up to 4K@60Hz 4:4:4, the BG-4K-VP88 is capable of producing high-quality imagery with pristine detailing and rich color. All HDMI ports on this unit are HDCP 2.2 compliant. This device also supports analog audio extraction, and audio channels can be switched independently.

The BG-4K-VP88 provides various control methods, including front panel controls, IR remote control, RS-232, and IP control. With the included IR receiver, the unit can be controlled using the provided remote even when placed out of sight, ensuring a neat installation. Additionally, users have the option to utilize the BG-SWITCH-CONTROL app, a proprietary matrix switcher control and management application available for Windows, iOS, Mac, and Android platforms.



SVC BEST OF SHOW
INFOCOMM WINNERS 2023



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Features



4X4 MATRIXING

4x HDMI Inputs that can be independently routed to 4 HDMI Outputs



VIDEO WALL

Supports Video Wall up to 7 different modes with each monitor



MULTIVIEW CAPABILITIES

It can display 8 pictures on the same screen and has multiple split display modes



HDCP COMPLIANT

HDCP 2.2 compliancy ensures copyright protection



CONTROL OPTIONS

Control via panel button, Remote Control, RS232 Control, TCP/IP Control



4K@60HZ

Support for 4K@60Hz 4:4:4 8-bit, HDCP 2.2



BG-4K-VP99PRO

9X9 4K UHD SEAMLESS HDMI MATRIX SWITCHER/VIDEO WALL PROCESSOR/MULTIVIEWER OVER CAT5E/6/7 KIT WITH 9 RECEIVERS

Introducing the BG-4K-VP99PRO 9x9 HDMI 2.0 over CAT5/6/7 matrix switcher with 3x3 Video Wall and 9 source multiview capabilities. Experience the pinnacle of versatility and cutting-edge technology with this advanced HDMI matrix switcher, perfect for a wide range of professional AV installations.

The BG-4K-VP99PRO offers an impressive array of connectivity options to cater to your diverse needs. With 9 HDMI inputs, 9 HDMI loop outs, 9 HDMI outputs, and 9 DSC outputs featuring Power over Cable (POC) support, seamless integration with multiple sources, displays, and audio systems is guaranteed. Additionally, for large-scale AV projects and installations, all HDMI sources can be extended up to 70m(229ft) over CAT5/6/7.

Delivering stunning visuals with exceptional clarity and color reproduction, the BG-4K-VP99PRO supports resolutions up to 4K60Hz 4:4:4. Its impressive bandwidth of 18Gbps ensures the smooth transmission of high-quality content.



SNC - PRO AV BEST
IN MARKET
AWARDS 2023



BEST MATRIX SWITCHER -
COMMERCIAL INTEGRATOR
2023 BEST AWARDS



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Features



SIGNAL EXTENSION

Extent your HDMI signals up to 70m (229ft) over CAT5



AUDIO MATRIXING

Analog audio embedded & extraction - the audio can be independently routed



POC

Power over Cable enables devices to be powered and centralized via a single cable connection



MULTIVIEW MODE

Display 9 different sources on the same screen



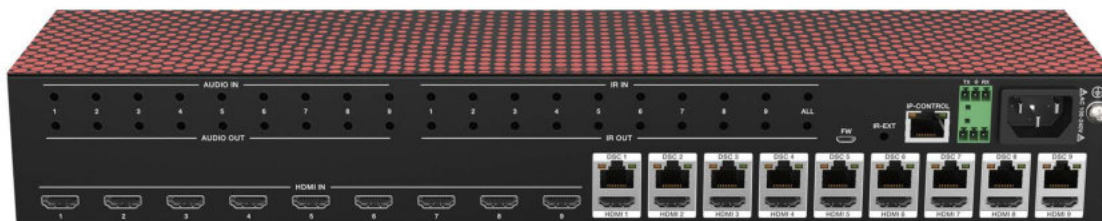
VIDEO WALL MODE

Supports up to a 3x3 video wall - supports cascading



4K@60Hz

Supports resolution up to 4K@60Hz 4:4:4



BG-4K-VP1616

16X16 4K UHD SEAMLESS HDMI MATRIX SWITCHER/VIDEO WALL PROCESSOR/MULTIVIEWER WITH SCALER/IR/AUDIO/IP/RS-232

The BG-4K-VP1616 supports sixteen HDMI inputs that can be independently routed to HDMI Outputs. This unit can create video walls, act as a multi-viewer and perform matrix functions! The BG-4K-VP1616 supports video wall configurations of up to 7 different modes with each monitor. It can also display sixteen pictures on the same screen and has multiple split display modes.

With max resolutions up to 4K@60Hz 4:4:4, the BG-4K-VP1616 is capable of producing high-quality imagery with pristine detailing and rich color. All HDMI ports on this unit are HDCP 2.2 compliant. This device also supports analog audio extraction, and audio channels can be switched independently.

With the included IR receiver, the unit can be controlled using the provided remote even when placed out of sight, ensuring a neat installation. Additionally, users have the option to utilize the BG-SWITCH-CONTROL app, a proprietary matrix switcher control and management application available for Windows, iOS, Mac, and Android platforms. This software empowers you to effortlessly route sources, manage displays, configure image settings, adjust network settings, and more.



Check out this item
on our website

Features



16X16 MATRIXING

16x HDMI Inputs which can be independently routed to 16x HDMI Outputs



VIDEO WALL

Supports multiple video walls at the same time



MULTIVIEW CAPABILITIES

Up to 16 sources can be displayed on each output in different layouts



HDCP COMPLIANT

HDCP 2.2 compliancy ensures copyright protection



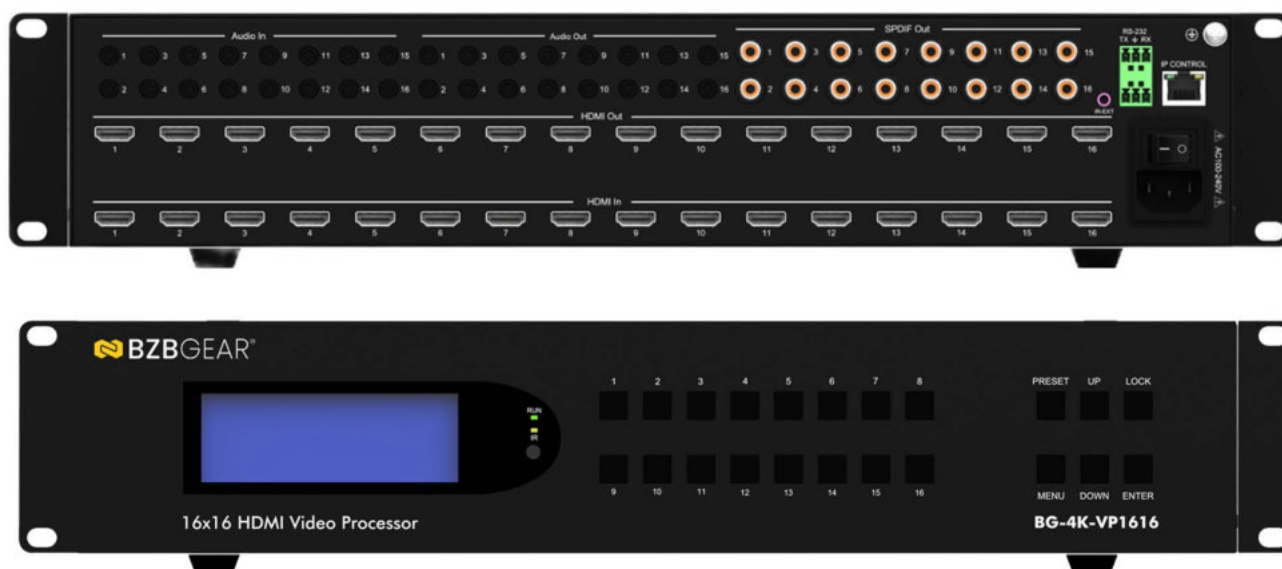
CONTROL OPTIONS

Control via panel button, Remote Control, RS232 Control, TCP/IP Control



4K@60Hz

Supports resolution up to 4K@60Hz 4:4:4



BG-4K-VP1616PRO

16X16 4K UHD SEAMLESS HDMI MATRIX SWITCHER/VIDEO WALL PROCESSOR/MULTIVIEWER OVER CAT5/E6/7 KIT WITH 16 RECEIVERS

The BG-4K-VP1616PRO supports sixteen HDMI inputs that can be independently routed to HDMI or LAN Outputs. This unit can create video walls, act as a multi-viewer and perform matrix functions! The BG-4K-VP1616PRO supports video wall configurations of up to 7 different modes with each monitor. It can also display sixteen pictures on the same screen and has multiple split display modes.

With max resolutions up to 4K@60Hz 4:4:4, the BG-4K-VP1616PRO is capable of producing high-quality imagery with pristine detailing and rich color. All HDMI ports on this unit are HDCP 2.2 compliant. This device also supports analog audio extraction, and audio channels can be switched independently.

With the included IR receiver, the unit can be controlled using the provided remote even when placed out of sight, ensuring a neat installation. Additionally, users have the option to utilize the BG-SWITCH-CONTROL app, a proprietary matrix switcher control and management application available for Windows, iOS, Mac, and Android platforms. This software empowers you to effortlessly route sources, manage displays, configure image settings, adjust network settings, and more.



x16 Receivers



SVC INNOVATIVE PRODUCTS:
READERS' CHOICE 2024



BEST MATRIX SWITCHER - 2024
COMMERCIAL INTEGRATOR
BEST AWARDS WINNER



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Features



16X16 MATRIXING

16x HDMI Inputs which can be independently routed to 16x HDMI Outputs



VIDEO WALL

Supports multiple video walls at the same time



MULTIVIEW CAPABILITIES

Up to 16 sources can be displayed on each output in different layouts



HDCP COMPLIANT

HDCP 2.2 compliancy ensures copyright protection



CONTROL OPTIONS

Control via panel button, Remote Control, RS232 Control, TCP/IP Control



4K@60Hz

Supports resolution up to 4K@60Hz 4:4:4



Signal Extenders

HDMI Extenders Over Category Cable

BZBGEAR SIGNAL EXTENDERS OVER CATEGORY CABLE

HDMI extenders are essential devices that enable the transmission of HDMI audio and video signals over distances far exceeding the 50-foot limit of standard HDMI cables. By utilizing category cables like Cat5e, Cat6, Cat6a, or Cat7, these extenders deliver high-quality signals up to several hundred feet, making them ideal for professional AV setups, educational environments, and large-scale installations. BZBGear HDMI extenders are designed to excel, offering cutting-edge features like true 8K@60Hz and 4K@120Hz support for unmatched video quality, comprehensive audio format compatibility for seamless audio-video synchronization, and IR passthrough for effortless remote control functionality.

Available in various configurations, HDMI extenders cater to a wide range of needs—from budget-friendly Cat5e/6 solutions for moderate distances to advanced options like HDBaseT for extended runs. These extenders ensure signal integrity, provide stable connections, and support advanced features such as HDCP and EDID management. With these capabilities, BZBGear extenders offer reliable, high-performance solutions for 4K and 8K AV installations.



SIGNAL EXTENSION
OVER 150 FT



4K TO 8K RESOLUTION
SUPPORT



VARIOUS AUDIO
FORMATS

BG-EXH-50C

4K UHD HDMI EXTENDER OVER CAT5E/6/7 WITH BI-DIRECTIONAL IR/POC UP TO 165FT

The BG-EXH-50C HDMI 2.0 extender over a single CAT5/6 cable is a versatile and high-quality solution for extending source signals with resolutions up to 4K@60Hz (4:4:4) for distances of up to 165ft (50m). The device is perfect for a wide range of applications, including home entertainment, commercial installations, and digital signage. The transmitter unit of the BG-EXH-50C also features an HDMI loop output, which can be used to connect a local monitor or as an input to another extender or any other HDMI equipment. This feature adds to the versatility of the device and ensures that users have multiple output options.

The BG-EXH-50C is HDCP 2.2 compliant, ensuring that it is fully compatible with the latest content protection standards. This feature provides users with peace of mind and ensures that their content is protected. Overall, the BG-EXH-50C HDMI 2.0 extender over a single CAT5/6 cable is a highly versatile and reliable solution that offers a range of advanced features to cater to all your signal extension needs.



Check out this item
on our website

Features



HDCP 2.2
High-Bandwidth Digital Content Protection Supported



POC
Only one of the units, TX or RX, needs to be plugged into AC power



HDR SUPPORT
HDR, HDR10+, Dolby Vision, and HLG



LOOP-OUT
Connect a local display to view content on the transmitter side



STUNNING IMAGE QUALITY
View crystal clear 4K@60Hz 4:4:4 images up to 164ft



DURABLE DESIGN
Durable metal structure built to withstand years of operation



BG-EXH-70C3

4K UHD HDMI EXTENDER OVER CAT5E/6 WITH BI-DIRECTIONAL IR/POC/ARC AND AUDIO DE-EMBEDDING UP TO 230FT

The BG-EXH-70C3 is an 18Gbps HDMI extender that can transmit HDMI and IR control signals up to 230ft(70m) via a single CAT6/6a cable and the uncompressed, long-distance transmission between the transmitter and receiver is achieved with zero-delay. These devices are also HDMI 2.0b and HDCP 2.2 compliant ensuring content is protected. The extenders feature bi-directional IR and power over cable(PoC) meaning only one of the units in the pair needs a power supply while IR blaster and receiver cables can be utilized to control devices on either end of the system simplifying a clean installation.

EDID copy pass-through between the source and display devices help to ensure the best signal quality possible. Video resolution is crystal clear with up to 4K2K@60Hz 4:4:4 along with rich colors provided by HDR, HDR10, HDR10+, Dolby Vision, and HLG. ARC and audio de-embedding via the receiver optical port support LPCM 7.1, Dolby True HD, and DTS HD Master formats. The flexible and compact design of the BG-EXH-70C3 allows for a wide range of uses where signal sources may need to be further away from their displays.



[Check out this item on our website](#)

Features



LONG DISTANCE

Supports a transmission extension distance of up to 230ft/70m via a CAT6/6a cable



HDR SUPPORT

Specifically mentions support for HDR, HDR10, HDR10+, Dolby Vision, and HLG



AUDIO FORMATS

Supports LPCM 5.1, Dolby True HD, and DTS HD Master audio formats



EDID COPY PASS-THROUGH

Features an EDID copy pass-through function between the source and display devices



DIGITAL AUDIO EXTRACTION

The receiving unit (RX) can extract digital audio from the transmitter via ARC from a display through the TOSLINK port



HDMI LOOP-OUT

Loop-out to view content locally at the transmitter side



BG-EXH-70C4

4K UHD HDMI HDBASET EXTENDER WITH IR/ARC/POC/RS-232 AND AUDIO EMBEDDING/DE-EMBEDDING UP TO 230FT

Introducing the BG-EXH-70C4, the ultimate solution for extending your HDMI signals over a long distance of up to 70m / 230ft. This extender is a highly efficient device that converts your HDMI signal to standard HDBaseT and transmits it via single CAT5e/6 ethernet cable. With a bandwidth of 18Gbps, the device is compliant with HDMI 2.0b and HDCP 2.2 standards. The video resolution that can be achieved using this extender is up to 4K2K@60Hz RGB/YCBCR 4:4:4, which ensures that you enjoy crystal clear images and vibrant colors.

The BG-EXH-70C4 also supports bi-directional IR and RS-232 control signal pass-through, which enables you to easily control signal source or display devices from a remote location. Additionally, the device supports ARC functionality, which makes it possible to transmit audio signals from your TV back to your home theater system without the need for an extra cable. In terms of audio support, the device can handle various formats, including Dolby 5.1, DTS 5.1, and PCM2.0, etc. Lastly, the compact design of this device ensures that it can be easily and flexibly installed, making it an ideal solution for any home or office.



Check out this item
on our website

Features



LONG DISTANCE

Supports a transmission extension distance of up to 230ft/70m via a CAT5e/6 cable.



CONTROL SIGNAL PASS-THROUGH

Supports bi-directional IR and RS-232 control signal pass-through.



AUDIO FORMATS

Supports Dolby 5.1, DTS 5.1, PCM 2.0, etc.



ARC FUNCTIONALITY

Features Audio Return Channel (ARC) functionality



ADVANCED EDID MANAGEMENT

Includes advanced EDID management for more control over the communication between source and display devices



HDBASET TECHNOLOGY

The HDMI signal is converted to standard HDBaseT, and transmitted using a LAN cable.



BG-EXH-100C5

4K UHD HDMI HDBASET EXTENDER WITH IR/ARC/POC/
RS-232/ETHERNET AND AUDIO EMBEDDING/DE-EMBEDDING
UP TO 330FT

The BG-EXH-100C5 is an 18Gbps HDMI HDBaseT extender that transmits high-definition audio / video, RS-232, bi-directional IR, and internet signals to a distance of up to 328ft (100m) between the transmitter and receiver using a single CAT6/6a cable. Featuring video resolutions up to 4K@60Hz 4:4:4 and HDR, HDR10+, Dolby Vision, and HLG ensure the best image possible.

The integrated bi-directional IR pass-through allows for source and display control from either end of the system. The BG-EXH-100C5 transmitter and receiver are also capable of power over cable (PoC) meaning only one unit in the pair needs a power supply. Each unit also has a LAN port to further eliminate the need for extra cable runs. The system supports ARC and various audio formats such as Dolby Digital, Dolby TrueHD, LPCM, and many more as well as local audio extraction. This set of robust features in such a compact design makes for easy, flexible, and high quality installation options.



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on our website](#)

Features



HDCP COMPATIBLE
Supports HDCP 2.2 and 1.4



4K QUALITY
Up to 4k@60Hz YUV 4:4:4



LONG DISTANCE
Up to 328ft / 100 meters over a
single CAT6/6a cable



POC
Power over Cable to simplify setup



LAN SIGNAL PASS-THROUGH
Ethernet signal pass-through
transmission



ENHANCED CONNECTIVITY
ARC (Audio Return Channel), Bi-
directional IR & RS-232



BG-EXH-100C6

4K UHD HDMI/HDBASET 3.0 EXTENDER WITH IR/EARC/ARC/POC/RS-232/ETHERNET/USB 2.0 AND AUDIO EMBEDDING/DE-EMBEDDING UP TO 330FT

Experience unparalleled audio and video transmission with the BG-EXH-100C6 HDBaseT 3.0 extender by BZBGEAR. This state-of-the-art device unleashes uncompressed HD/UHD audio and video, along with eARC/ARC, RS-232, bi-directional IR, 1Gb Ethernet, and USB 2.0 signals up to an impressive distance of 328ft(100m) using just a single CAT6A/7 cable. With USB 2.0 host/device configurability, the BG-EXH-100C6 offers maximum flexibility and functionality, making it the perfect solution for a KVM setup. And, with bi-directional power over cable (PoC), there's no need for a second power adaptor, saving you time and money.

The BG-EXH-100C6 can support resolutions up to 4K@60Hz 4:4:4, and boasts HDR10, HDR10+, Dolby Vision and HLG technology, ensuring unparalleled picture quality. The transmitter can also embed or de-embed audio, while the receiver supports audio de-embedding. Plus, with eARC/ARC from the receiver's HDMI output, you can enjoy top-notch audio quality on your local audio system, or opt to use the transmitter's HDMI audio only and SPDIF output ports.



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Features



HDCP COMPATIBLE
Supports HDCP 2.2 and HDMI 2.0b.



4K QUALITY
Uncompressed 4k@60Hz 4:4:4



AUDIO TRANSMISSION
Supports LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD pass-through



AUDIO FEATURES
eARC/ARC function, SPDIF audio reverse transmission



USB 2.0 TRANSMISSION
Host/Device configurable



ENHANCED CONNECTIVITY
Bi-directional IR, RS-232, 1Gbps Ethernet signal pass-through



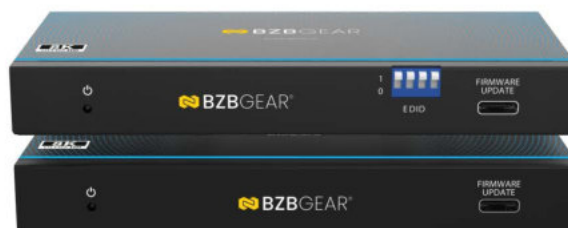
BG-EXH-8K150C

8K UHD HDMI HDBASET LONG RANGE EXTENDER WITH BI-DIRECTIONAL IR/RS-232/CEC UP TO 490FT

Experience superior long-distance AV performance with this high-performance 8K HDBaseT extender, engineered to transmit HDMI, RS-232, and IR signals over a single twisted pair cable. With support for up to 8K@30Hz (4:4:4) and 4K@120Hz (4:4:4) video formats, this extender ensures uncompromised signal integrity and crystal-clear visuals across professional AV setups, control rooms, and home theater installations.

Built for reliability and versatility, the system seamlessly converts HDMI and control signals for efficient HDBaseT transmission, restoring them at the receiver end with zero quality loss. Offering flexible control options, robust audio support, and advanced gaming and HDR compatibility, this extender is the perfect solution for high-performance, long-distance AV distribution.

For modern AV environments, the extender supports an extensive range of video and audio standards - including HDR10, HDR10+, Dolby Vision, and HLG - as well as immersive sound formats such as Dolby Atmos, TrueHD, and DTS-HD Master Audio.



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Features



8K & 4K LONG-DISTANCE TRANSMISSION

Transmits 8K@30Hz (4:4:4) and 4K@120Hz (4:4:4) signals up to 90m (295ft), 4K@60Hz up to 120m (394ft), and 1080p up to 150m (492ft) via CAT cable for reliable, long-range performance



HDMI 2.1 & HDCP 2.3 COMPLIANCE

Fully compliant with the latest HDMI and content protection standards, ensuring secure and consistent transmission across all compatible devices



8K ULTRA-HIGH BANDWIDTH SUPPORT

Delivers up to 40Gbps FRL and 18Gbps TMDs, supporting next-generation 8K and high-frame-rate 4K video without signal loss or latency



COMPREHENSIVE CONTROL INTEGRATION

Supports bi-directional IR, RS-232, and CEC pass-through, enabling full device control and automation through a single cable connection



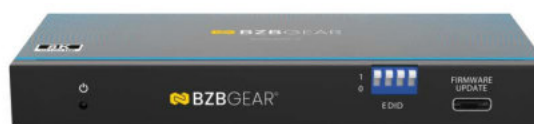
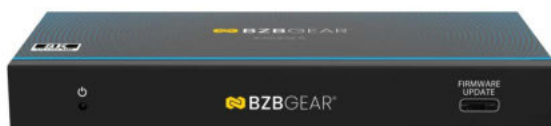
ADVANCED AUDIO & HDR SUPPORT

Handles top-tier audio formats like Dolby Atmos, DTS-HD Master Audio, and TrueHD, plus HDR formats including HDR10, HDR10+, Dolby Vision, and HLG for vivid, lifelike visuals



POWER OVER CABLE (POC)

Simplifies installation by providing bi-directional PoC, allowing both units to be powered through one connection, reducing setup time and power supply requirements



BG-EXH-8KC6

8K UHD HDMI 2.1 EXTENDER - 8K30/4K120HZ WITH IR/EARC/ARC/POC/RS-232/ETHERNET/USB 2.0 AND AUDIO EMBEDDING/DE-EMBEDDING UP TO 330FT

The BG-EXH-8KC6 is an 8K HDMI and USB over HDBaseT Extender designed to extend the range of uncompressed HD/UHD video and audio signals, including eARC/ARC, RS-232, bi-directional IR, 1GbE Ethernet, and USB 2.0 signals, up to 295ft (90m) using a single CAT6A/7 cable.

This extender supports video resolutions up to 8K@30Hz 4:4:4 10-bit, 4K@120Hz 4:4:4 10-bit, and 4K@60Hz 4:4:4. Additionally, it incorporates eARC/ARC functionality, allowing the transmission of audio signals from the receiver HDMI output pass-through to the transmitter's HDMI input or audio de-embedding to the transmitter's output port.

The device also facilitates USB 2.0 signal transmission with configurable Host/Device settings per device and bi-directional Power over Cable (POC) functionality. For home or commercial applications requiring long-distance signal transmission, the BG-EXH-8KC6 stands out as the ideal 8K signal solution.



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Features



COMPLIANT

HDMI 2.1, HDCP 2.3, and HDBaseT 3.0 compliant



8K 8K@30HZ AND 4K@120HZ

Video resolution is up to 8K@30Hz 4:4:4 10-bit, 4K@120Hz 4:4:4 10-bit



8K EXCLUSIVE FEATURES

Variable Refresh Rate (VRR), Fast as Possible V-active (FVA), Auto Low Latency Mode (ALLM) support



SMOOTH IMAGE PROCESSING

HDR, HDR10, HDR10+, Dolby Vision and HLG pass-through



HDMI AUDIO FORMATS

Dolby Atmos, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio



ADVANCED EDID

Management through EDID DIP switches



BG-EXH-4KC7

4K UHD HDMI/USB-C KVM HDBASET 3.0 EXTENDER/
SWITCHER WITH USB 3.0/ETHERNET/IR/RS-232/POE

The BG-EXH-4KC7 is a high-performance HDBaseT 3.0 extender designed to deliver 4K60Hz 4:4:4 HDR video and USB-C/HDMI connectivity over distances of up to 100 meters via CAT6A/7 cables. Featuring dual inputs (USB-C and HDMI) with auto/manual switching, the transmitter supports DP-ALT mode for audio/video transmission, USB 3.0, 1G Ethernet, and up to 100W power delivery. The receiver offers flexible outputs with HDMI or USB-C and includes USB 2.0 ports for peripherals. Advanced HDR formats, such as HDR10+, Dolby Vision, and HLG, ensure stunning video quality, while analog audio de-embedding on both the transmitter and receiver simplifies audio integration.

Packed with professional-grade features, the BG-EXH-4KC7 includes RS-232 and CEC control, API support, and 1G Ethernet pass-through for seamless system integration. It supports bidirectional Power over Cable (PoC) for streamlined installations and offers long-reach HDBaseT functionality, extending 1080p60 signals up to 150 meters. With robust performance and versatile applications, this extender is ideal for conference rooms, educational institutions, and professional AV environments demanding reliable, high-quality signal transmission.



TOP NEW TECHNOLOGY (TNT)
AWARD 2025 - CATEGORY:
HDMI / HDBASET EXTENDERS



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Features



ADVANCED HDR SUPPORT

Compatible with 4K60Hz 4:4:4, HDR10+, Dolby Vision, HLG, and Low Latency Mode (LLM).



LONG-DISTANCE TRANSMISSION

Transmits 4K60Hz signals up to 100m over CAT6A/7 cables.



VERSATILE USB-C INPUT

DP-ALT mode enables USB 3.0, 1G Ethernet, and up to 100W charging.



INTEGRATED AUDIO EXTRACTION

Dolby Atmos, Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio



SEAMLESS AUTOMATION

RS-232 pass-through and API support for integration into control systems.



SIMPLIFIED POWER MANAGEMENT

Bidirectional 24V Power over Cable (PoC) minimizes power supply needs.



Signal Extenders

Display Port Extenders Over Category Cable

BZBGEAR DISPLAYPORT EXTENDERS OVER CATEGORY CABLE

BZBGEAR's DisplayPort extenders offer an affordable, high-performance solution for extending DisplayPort signals over category cables while preserving exceptional video and audio quality. Supporting DisplayPort 1.2 and HDCP 2.2 standards, these extenders handle resolutions up to 4K UHD at 60Hz with YUV 4:4:4 color accuracy, ensuring stunning visuals. With advanced audio compatibility, including LPCM, Dolby Digital Plus, and DTS, they deliver superior sound quality.

Unlike traditional extenders prone to signal degradation, BZBGEAR's smart compression technology enables visually lossless transmission over long distances. These extenders can extend 1080p signals up to 492 feet (150 meters) and 4K signals up to 328 feet (100 meters) over a single Ethernet cable, far exceeding the 15-meter limitation of standard DisplayPort cables.



LONG-DISTANCE
SIGNAL EXTENSION



4K UHD SUPPORT



KVM AND IR
FUNCTIONALITY

BG-EXD-150C

4K UHD DISPLAYPORT 1.2A KVM EXTENDER KIT OVER HDBASET WITH USB/IR/RS-232 UP TO 492FT



The BG-EXD-150C is a 4K60 DisplayPort (DP) range extender capable of transmitting DP video, bi-directional IR, and RS-232 control signals, as well as USB KVM signals. It can transmit signals over distances of up to 328ft/100m for a 4K60 signal and 492ft/150m for a 1080P signal using a single CAT6 cable.

The BG-EXD-150C converts the DP signal into a standard HDBaseT signal, transmitting it via a LAN cable. Users can easily control the signal source device or the display device using a remote, thanks to the bi-directional IR signal pass-through feature. The extender supports video resolutions of up to 4K2K@60Hz YUV 4:4:4 and also provides a bi-directional POC function.

Furthermore, with support for DisplayPort 1.2, this extender facilitates the transmission of visually lossless 4K Ultra HD resolutions, making it ideal for striking digital signage or detailed content in medical settings. The extender is also compatible with lossless audio formats, including Dolby TrueHD and DTS-HD, enhancing video content with powerful multi-channel sound, thus elevating the viewer's experience. The USB KVM connectivity ensures full control of a DisplayPort PC from a local console, which can be kept in a secure or temperature-controlled environment, all while seamlessly delivering consistent video content to the display.



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Features



COMPLIANT

DisplayPort 1.2a and HDCP 2.2 compliant



4K UHD

Video resolution up to 4K2K@60Hz YUV 4:4:4



LONG RANGE

Signal transmission distance up to 328ft/100m for 4K60 signals or 492ft/150m for 1080P signals via a single CAT6 cable



AUDIO FORMATS

LPCM 2.0 (96KHz), Dolby Digital Plus 5.1CH and DTS-HD Master 7.1CH



INTUITIVE CONTROL

Control a remote DisplayPort PC via keyboard and mouse with the KVM function



COMPACT DESIGN

For easy and flexible installation



Signal Extenders

KVM/USB Extenders Over Category Cable

BZBGEAR KVM/USB EXTENDERS OVER CATEGORY CABLE

BZBGEAR KVM (Keyboard, Video, Mouse) extenders allow the seamless extension of computer peripherals—keyboard, monitor, and mouse—over long distances using a single category cable (e.g., Cat5e, Cat6, or Cat7). These extenders are perfect for environments where computers need to be stored in secure locations, while user interfaces can be placed remotely. They provide a cost-effective and reliable solution for transmitting signals over long distances.

BZBGEAR KVM extenders are equipped with advanced features such as Power over Cable (PoC), USB hot-plug functionality, and low-latency transmission technology. This ensures superior video quality, smooth peripheral integration, and real-time responsiveness for users.

These extenders improve security by keeping sensitive equipment in secure areas, optimize space by relocating computers, and reduce noise in office environments. They also offer flexible connectivity, supporting ranges of up to 300 feet or more. Ideal for centralized control, remote workstations, and specialized applications like digital signage, remote diagnostics, and industrial machinery control, BZBGEAR KVM extenders are a versatile solution for modern AV setups.



**EXTENSION OVER
300 FT**



**LOW LATENCY
TRANSMISSION**



**POWER OVER CABLE
SUPPORT**

BG-USB-LR100

2-PORT USB 2.0 EXTENDER OVER CAT5E/6/7 CABLE UP TO 330FT

The BG-USB-LR100 device is designed to extend the reach of your PC's USB 2.0 port, enabling you to connect peripheral devices at distances up to 100 meters (328 feet). With a data transfer rate of up to 480 Mb/s, this device allows for fast and reliable connectivity via a single category cable. Whether you need to connect remote security keypads, web cameras, printers, or any other USB peripheral devices beyond the 15ft limitation of a standard USB cable, the BG-USB-LR100 is the solution for you. Enjoy seamless performance and increased flexibility in a wide range of applications with this innovative device.

The BG-USB-LR100 comes with a locking power supply, ensuring the device stays securely connected and powered on. This is especially useful in environments where the device may be subject to movement or jostling, as it helps prevent accidental disconnection of the power supply.

The BG-USB-LR100 has a compact design, making it easy to transport and use in various settings. Whether you're working in a small office or a large industrial space, the compact size of the BG-USB-LR100 means that it won't take up too much space on your desk or work area.



[Check out this item on our website](#)

Features



PLUG AND PLAY
No drivers needed



USB 2.0
480Mb/s transfer speed



LONG RANGE
Extends USB 2.0 signal up to 328 feet



INTEGRATED USB HUB
Share a single USB connection with two devices at a long distance



RUGGED DESIGN
Durable metal enclosure designed to last for years of operation



POC
Power over Cable eliminates the need for a second power supply



BG-USB3-LR100

4-PORT USB 3.0 HDBASET EXTENDER OVER CAT6/7 CABLE WITH POC/RS-232/FSYNC GPIO UP TO 330FT

The BG-USB3-LR100 USB 3.0 Extender is an essential tool for extending USB connections over long distances, capable of transmitting signals up to 100 meters (328 feet) using a single CAT6a cable. Designed for reliability and performance, this extender ensures high-speed data transfer with rates up to 5Gbps, making it ideal for various applications, including industrial settings and large-scale installations.

The transmitter features a USB 3.0 Type B input, FSYNC GPIO input, and RS-232 pass-through, while the receiver offers four USB 3.0 Type A outputs, FSYNC GPIO output, and RS-232 pass-through. This setup supports bi-directional 24V Power over Cable (PoC), simplifying power management and installation.

The BG-USB3-LR100 USB 3.0 Extender is a versatile and powerful solution for extending USB connectivity over long distances, combining high-speed data transfer, broad compatibility, and easy installation to meet the needs of both industrial and commercial applications.



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on our website](#)

Features



LONG DISTANCE

Extends USB 3.0 connections up to 100 meters (328 feet) over CAT6a cable



FAST TRANSFER RATES

Provides USB 3.0 connectivity with data transfer rates up to 5Gbps



BACKWARD COMPATIBLE

Compatible with USB 2.0 and USB 1.1 devices



BI-DIRECTIONAL POC

Supports bi-directional 24V Power over Cable (PoC)



PLUG-AND-PLAY

Easy plug-and-play setup with no driver or settings installation required



CAMERA APPLICATIONS

Includes RS-232 and FSYNC GPIO pass-through for camera applications



Signal Extenders

HDMI Extenders Over Coax RG6 Cable

BZBGear HDMI EXTENDERS OVER COAX RG6 CABLE

Coaxial cables are capable of extending HDMI signals up to 110m (363ft) without compromising output quality, making them perfect for large venues or long-distance connections between buildings. Known for their durability and ability to block signal interference, coax cables are often used in professional AV setups where high-quality signal transmission is crucial. The RG6 coaxial cable, an 18 AWG type, is optimized for high-bandwidth and high-frequency applications, ensuring superior signal integrity and performance.

Coaxial cables are not only affordable but also easy to install and maintain, offering a robust solution for extending HDMI over long distances. They support high-quality, high-speed HDMI signals over coax, providing reliable and durable signal transmission.



EXTENSION OVER
300 FT



LOW LATENCY
TRANSMISSION



SIGNAL INTERFERENCE
PROTECTION

BG-EXHOC

4K UHD HDMI EXTENDER OVER SINGLE COAX CABLE WITH BI-DIRECTIONAL IR

The BG-EXHOC is a 4K HDMI signal extender that increases the range of an HDMI input signal up to 110m (363ft) over a single coaxial cable. The use of coaxial cable provides a durable, inexpensive method of transmitting uncompressed HDMI signals over long distances.

TAA COMPLIANT PRODUCT. This product meets the standards of the Trade Agreement Act (TAA).

The BG-EXHOC can extend HDMI signals to its maximum range with resolutions up to 4K2K@60Hz 4:4:4. The extender is also HDMI 2.0 compliant and supports HDCP 2.2/1.4 input and output. To achieve this level of quality, the unit sends the full uncompressed HDMI signal through the coaxial cable. Belden 1694A coaxial cable is recommended for maximum performance. The BG-EXHOC has a maximum data rate of 18Gbps and features automatic signal equalization.



[Check out this item on our website](#)

Features



STUNNING IMAGE QUALITY

Supports resolutions up to 4K@60Hz 4:4:4



LONG RANGE

Extend uncompressed HDMI up to 363 feet (110m)



COMPLIANT

HDMI 2.0 and HDCP 2.2 compliant to ensure copyright protections



CONTROL

Bi-Directional IR Passthrough



MULTI-CHANNEL AUDIO SUPPORT

Dolby TrueHD, DTS-HD, Dolby Digital Plus, and LPCM 7.1



SECURE CONNECTION

Locking BNC and power connectors prevent accidental disconnects



Signal Extenders

Fiber Optic Extenders

BZBGear FIBER OPTIC EXTENDERS

BZBGear Fiber optic extenders are devices that extend AV signals over long distances using fiber optic cables, which transmit data as light signals, allowing for faster speeds and longer distances without signal degradation. Unlike copper cables, which are limited by distance and interference, fiber optics can support high-bandwidth applications, making them ideal for environments like medical imaging, broadcast studios, and corporate installations. Benefits include long-distance transmission, high signal quality, immunity to electromagnetic interference, and future-proof capabilities for handling increasing data demands.

Select fiber optic extenders support high-resolution formats such as 8K HDMI and USB 3.0, and many are plug-and-play for easy setup. They are particularly advantageous for large-scale installations where long-distance signal transmission is needed, providing a reliable and high-performance solution. While they tend to be more expensive than copper alternatives, their superior performance and ability to support high-bandwidth applications make them a worthwhile investment.



4K TO 8K
SUPPORT



HIGH SPEED
TRANSMISSION



EXTREME RANGE
COVERAGE

BG-EXUF

4-PORT USB 2.0/3.0/3.1 SUPERSPEED EXTENDER OVER FIBER OPTIC CABLE

The BZBGEAR BG-EXUF is a 4-port fiber optic USB 3.1/2.0/1.1 extender that extends USB 3.1 up to 328ft (100m) and USB 2.0/1.1 up to 6.2mi (10Km) over single-mode or multi-mode fiber optic cabling. Designed with a four-port hub to extend up to four USB devices without the need for an additional device. Each port supports data transfer speeds up to 5Gbps (USB 3.1).

Installation and use of the BG-EXUF is effortless with four mounting holes built into its sturdy metal chassis and no requirements for drivers. The advanced optical fiber transmission technology eliminates electromagnetic interference.

The BG-EXUF features LED status lights that provide users with real-time feedback on the device's operational status. The LEDs indicate when the device is powered on, connected to a fiber optic cable, and transmitting data, making it easy to troubleshoot issues and ensure optimal performance.



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Features



LOCKING POWER CONNECTOR

Prevents power from accidentally coming unplugged



USB 3.0 ports

4 USB 3.0 ports



FAST TRANSFER SPEEDS

Up to 5Gbps using USB 3.0



LED STATUS LIGHTS

Easily see system link status at a glance



DURABLE ENCLOSURE

Metal housing designed to last for years



EXTREME RANGE

Send USB 3.1 up to 100m (328ft) and USB 2.0/1.1 up to 6.2mi (10km)



BG-FES12G

4K UHD 12G-SDI OVER FIBER OPTIC EXTENDER (12G/6G/3G/HD/SD-SDI SUPPORT)

The BG-FES12G is an advanced SDI extender that enables the extension of multiple SDI formats (12G/6G/3G/HD) with embedded audio up to a distance of 10 km (6.25 miles) over a single-mode fiber optic cable. With transmission speeds of up to 11.88 Gbps, this device ensures fast and reliable signal transmission for your SDI applications.

The transmitter and receiver units of this extender both feature equalizing and re-clocking functions, which help to maintain consistent signal quality over long distances. Additionally, the transmitter includes a handy SDI loop-out port for local display. The locking power supply featured on both units ensures a secure and reliable connection, giving you peace of mind and worry-free operation.

With the BG-FES12G, you can enjoy exceptional signal quality and reliable performance for all your SDI applications, whether it's for broadcasting, post-production, or live events.



[Check out this item on our website](#)

Features



4K/60 4:4:4 SUPPORT

Ultra HD refers to a TV resolution of 3840 x 2160 pixels



MULTIPLE SDI FORMATS

12G/6G/3G/HD/SD



HIGH-BANDWIDTH

Up to 11.88 Gbps



EXTREME RANGE

Extend signal up to 10 km/6.25 miles



FIBER-OPTIC CONNECTION

Single-Mode SFP



LOCKING CABLES

Ensures reliable connection for power and video



BG-IPGEAR-XTREME-F

HDMI 2.1 OVER FIBER EXTENDER WITH BI-DIRECTIONAL IR, RS-232, 1G ETHERNET, USB 3.1 & KVM SUPPORT

The BG-IPGEAR-XTREME-F is a cutting-edge HDMI 2.1 over fiber extender designed for mission-critical AV transmission in broadcast, medical imaging, eSports, control rooms, and high-end home theater applications. With support for uncompressed 4K60 4:4:4 and visually lossless DSC-compressed 4K144 4:4:4, it also enables 8K@30Hz 4:4:4 transmission, ensuring next-generation video performance with zero-frame latency over distances up to 10km (6.25 miles) via single-mode fiber optic cable.

Beyond video, this extender provides full-featured connectivity with bi-directional IR, full-duplex RS-232, USB 3.1 KVM, eARC/ARC, and 1Gb Ethernet pass-through. With its interference-free fiber optic transmission, the BG-IPGEAR-XTREME-F is engineered to deliver the ultimate in high-resolution video, data, and control extension over long distances.

For next-generation gaming and media applications, the BG-IPGEAR-XTREME-F supports Variable Refresh Rate (VRR) for smooth, tear-free motion, Auto Low Latency Mode (ALLM) for instant response, and eARC/ARC pass-through for lossless Dolby Atmos and DTS:X audio transmission.



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Features



8K & 4K HDR SUPPORT

Transmits up to 8K@30Hz 4:4:4, 4K@144Hz 4:4:4 DSC, and 4K@60Hz 4:4:4 uncompressed for pristine image quality



HDMI 2.1 & HDCP 2.3 COMPLIANCE

Ensures compatibility with gaming consoles, media servers, professional video switchers, and AV processors



48GBPS VIDEO BANDWIDTH (FRL 6)

Provides high-speed, zero-latency transmission for next-generation AV applications



DISPLAYPORT 1.4 (USB-C ALT MODE) INPUT SUPPORT

Connects directly to USB-C-enabled laptops, tablets, and workstations



UNCOMPRESSED 7.1CH HDMI AUDIO

Supports Dolby TrueHD, DTS-HD Master Audio, and LPCM formats



EARC/ARC PASS-THROUGH

Enables lossless Dolby Atmos and DTS:X audio transmission from displays to AV receivers



BG-EXH-8KF

**8K UHD HDMI 2.1 OVER FIBER EXTENDER - 8K60/4K120HZ
WITH IR/RS-232/EDID MANAGEMENT & AUDIO
EMBEDDING/DE-EMBEDDING**

Introducing the BG-EXH-8KF, a cutting-edge HDMI over Fiber extender that redefines your audiovisual experience. This advanced extender is HDMI 2.1 and HDCP 2.3 compliant, ensuring seamless connectivity and support for the latest technologies.

The BG-EXH-8KF HDMI over Fiber extender is a cutting-edge solution that caters to gamers, home theater enthusiasts, and professional integrators alike. With support for advanced gaming features like VRR, ALLM, QMS, QFT, and SBTM, gamers can enjoy a seamless and immersive experience. Home theater enthusiasts benefit from unparalleled video quality, including 8K@60 4:2:0 12-bit and 4K@120Hz 4:4:4 12-bit video transmission, along with comprehensive HDR support for vivid visuals.

Professional integrators appreciate its flexibility with compatibility across multimode fiber grades, auto-downscaling features, and versatile audio format support. Designed for hassle-free installation, the extender allows HDMI signal extension up to 300 meters, ensuring uncompromised quality and reliability.



FIBEROPTIC TRANSPORT - 2024
COMMERCIAL INTEGRATOR BEST
AWARD WINNER



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Features



COMPLIANT
HDMI 2.1, HDCP 2.3 compliant



8K 8K & 4K@120HZ
Supports 8K@60 4:2:0 12-bit,
4K@120Hz 4:4:4 12-bit



MULTIPLE AUDIO FORMATS
Supports HDMI audio formats
including Dolby Atmos, Dolby
TrueHD, Dolby



HDMI 2.1 EXCLUSIVE FEATURES
VRR, ALLM, QMS, QFT, and SBTM
are supported



CONTROL OPTIONS
Bi-directional IR & RS-232 pass-
through, EDID management



LONG DISTANCE
Extend your 8K or 4K@120Hz signal
up to 300M



BG-UHD-18GFE

4K UHD HDMI USB KVM EXTENDER KIT OVER FIBER WITH HDR/2-WAY IR/RS-232 (NO SFP MODULE INCLUDED)



The BZBGEAR BG-UHD-18GFE is a premium 4K HDMI KVM extender that provides reliable, lossless, and latency-free transmission of uncompressed 4K@60Hz 4:4:4 HDMI video with USB 2.0. Operating over single-mode fiber optic cabling, this extender is capable of transmitting signals up to 6.25 miles (10km), making it an ideal solution for remote workstations and large-scale installations that demand high-quality video and KVM control over long distances.

Designed to meet TAA compliance requirements, the BG-UHD-18GFE delivers robust and secure performance that meets the stringent demands of government agencies, military installations, and large campuses. Supporting 18Gbps HDMI transmission rates, the extender provides lossless video with zero latency, ensuring that video and KVM control remain in perfect sync. With HDMI 2.0 ports that are HDCP 2.2 compliant and support for HDR video signals, this extender delivers stunning visuals with uncompromising clarity and detail. In addition to video and KVM functionality, the BG-UHD-18GFE is equipped with RS-232 and bi-directional IR pass-through, providing enhanced control and flexibility for a wide range of applications.



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Features



CRYSTAL CLEAR IMAGES

Supports 4K@60 HDR (4:4:4)



FIBER-OPTIC

Single-mode SFP connection
provides pure signal over extreme
distances



USB 2.0

Connect 2 remote USB devices



RS-232

Supports RS-232 passthrough to
extend control signals



IR PASSTHROUGH

Full 2-way IR passthrough



LONG RANGE

Extends HDMI up to 6.25 miles
(10km)



Signal Extenders

Wall Plate Extenders

BZBGEAR WALL PLATE EXTENDERS

An AV wall plate extender kit provides a seamless solution for extending HDMI or DisplayPort signals over CAT cable while offering a clean, integrated installation. The kit includes a transmitter, which connects to source devices like HDMI, DP, or USB-C inputs, and a receiver that transmits the signal to a display. The system supports extended transmission distances of up to 164ft (50m) at 4K@24Hz or 115ft (35m) at 4K@60Hz over CAT6 cable, ensuring high-quality video and audio performance. The transmitter is housed in a sleek one-gang Decora-style enclosure, while the compact receiver can be discreetly mounted behind the display. Features like Power Over Cable (POC) simplify installation by powering the transmitter via the receiver, reducing cable clutter.

These AV wall plates are ideal for a variety of applications, including home theater setups, professional AV installations, and conference rooms. They support high-speed video with 18Gbps HDMI and 5.4Gbps USB-C input bandwidth, and are compatible with a range of audio formats such as LPCM, Dolby, DTS, and DSD. The extenders are compliant with industry standards, including HDMI 2.0b, HDCP 2.2, and DisplayPort 1.2a, ensuring compatibility with modern devices and providing a high-performance solution for video distribution.



LONG-RANGE SIGNAL
TRANSMISSION



HIGH-RESOLUTION
VIDEO SUPPORT



SEAMLESS INTEGRATION
AND INSTALLATION

BG-EXH-50UWP-W

4K UHD 18GBPS HDMI/USB-C WALL PLATE TRANSMITTER/RECEIVER KIT UP TO 164FT

Introducing the BG-EXH-50UWP-W 18Gbps CAT 164ft Wall Plate Kit, a comprehensive solution for seamless signal transmission and distribution. This kit comprises a USB-C/HDMI Transmitter and a CAT6 to HDMI Receiver, designed to meet the demands of modern AV installations. Enclosed within a sleek one-gang Decora-style enclosure, the wall plate transmitter serves as a versatile 2x1 switcher and CAT transmitter, accommodating HDMI and USB-C inputs.

With support for resolutions up to 4K2K@50/60Hz 4:4:4 and a transmission distance of up to 164ft / 50m via CAT6 output, this kit ensures exceptional visual fidelity and flexibility. Additionally, the BG-EXH-50UWP-W kit supports various HDMI audio formats, HDR, and features a user-friendly interface with automatic/manual input signal selection. Its compatibility with Power Over Cable (POC) further enhances convenience, allowing remote powering from the receiver or other CAT-equipped devices.



Check out this item
on our website

Features



STANDARDS COMPLIANCE

Compliant with industry standards including HDMI 2.0b, HDCP 2.2, and DisplayPort 1.2a (Adapter required for Display Port)



VIDEO BANDWIDTH

HDMI input supports high-speed 18Gbps video bandwidth, while USB-C input supports 5.4Gbps video bandwidth



EXTENDED TRANSMISSION

CAT6 output extends video transmission distance significantly; up to 164ft / 50m for 4K@24 or 115ft / 35m for 4K@60 444, using a single CAT5e/6 cable



COMPATIBILITY

Compatible with various advanced video technologies including 3D, HDR10, and Dolby Vision



AUDIO SUPPORT

Supports a wide range of HDMI audio formats, including LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, and DSD



POWER OVER CABLE (POC)

Features Power Over Cable functionality, allowing power transmission from Receiver to Transmitter, simplifying setup and reducing cable clutter



BG-EXHD-50UWP-W

4K UHD 18GBPS HDMI/MDP WALL PLATE TRANSMITTER/ RECEIVER KIT UP TO 164FT

Introducing the BG-EXHD-50UWP-W 18Gbps CAT 164ft Wall Plate Kit, a cutting-edge solution engineered to enhance your audiovisual experience to new heights. This all-encompassing kit features a sophisticated MDP/HDMI Wall Plate Transmitter paired with a CAT6 to HDMI Receiver, meticulously crafted to deliver unrivaled performance and effortless integration.

Experience seamless connectivity and pristine image quality with the advanced MDP/HDMI Wall Plate Transmitter. Equipped with HDMI and DisplayPort inputs, this transmitter ensures compatibility with a wide range of devices, while its sleek US one-gang enclosure seamlessly blends into any decor.

Extend your viewing experience with the CAT6 to HDMI Receiver, delivering high-definition content to your display device with uncompromising clarity and reliability. With support for resolutions up to 4K/UHD@60Hz 4:4:4 and a transmission distance of up to 164ft / 50m, this receiver offers unparalleled flexibility in installation.



Check out this item
on our website

Features



STANDARDS COMPLIANCE

This device adheres to industry standards including HDMI 2.0b, HDCP 2.2, and DisplayPort 1.2a



HIGH-RESOLUTION CAPABILITY

Display video resolutions up to 4K/ UHD@60Hz with a 4:4:4 color sampling ratio



CAT6 OUTPUT

Utilizing CAT6 output extends video transmission distances up to 164ft / 50m for 4K@24 or 115ft / 35m for 4K@60 444 using a single CAT5e/6 cable



AUDIO COMPATIBILITY

HDMI audio formats supported include LPCM, Dolby Digital/Plus/ EX, Dolby TrueHD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, and DSD



CONVENIENT SIGNAL SELECTION

Input signal selection can be set to automatic or manual mode for convenience



POWER OVER CABLE

Supports Power Over Cable functionality, but only from Receiver to Transmitter



BG-EXH-70WP-W

4K UHD 18GBPS HDMI WALL PLATE TRANSMITTER/RECEIVER KIT UP TO 230FT

Introducing the BG-EXH-70WP-W HDBaseT Wall Plate Kit, featuring a sophisticated HDBaseT Wall-plate Transmitter and an HDBaseT to HDMI Receiver, designed to elevate your AV experience with seamless signal transmission and exceptional performance.

The transmitter boasts HDMI 2.0b compliance and HDCP 2.2 compatibility, ensuring seamless connectivity and support for high-definition content. With support for resolutions up to 4K2K@60Hz (4:4:4), 4K2K@30Hz, and 1080p@120Hz, it delivers stunning visual clarity and fidelity, making it perfect for a wide range of applications.



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Features



STANDARDS COMPLIANT

Supports HDMI 2.0b with a bandwidth of 18Gbps and complies with HDCP 2.2 standards



4K HIGH-RESOLUTION SUPPORT

Accommodates resolutions up to 4K2K@60Hz (4:4:4), 4K2K@30Hz, and 1080p@120Hz



AUDIO CAPABILITY

Capable of transmitting up to 7.1 channels of HD audio



TRANSMISSION TECHNOLOGY

Utilizes HDBaseT™ technology over a single CAT 6/6a/7 cable, extending signals up to 230ft/70m



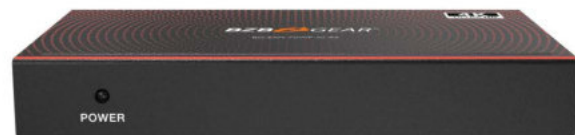
CONTROL FEATURES

Supports two-way IR and RS-232 communication for enhanced control capabilities



POWER MANAGEMENT

Incorporates POC (Power Over Cable) function, where either the transmitter (TX) or receiver (RX) is powered by a 24V/1A power supply, reducing reliance on additional power sources. POC power consumption is less than 10W



BG-EXH-70UWP-W

4K UHD 18GBPS HDBASET HDMI/USB-C/KVM WALL PLATE TRANSMITTER/RECEIVER KIT UP TO 230FT

Introducing the BG-EXH-70UWP-W 18Gbps HDBaseT 230ft Wall Plate Kit, an advanced solution for high-definition signal distribution and transmission. Featuring a USB-C/HDMI & KVM Function Wall Plate Transmitter and an HDBaseT to HDMI Receiver, this kit delivers unparalleled performance and versatility for professional AV installations.

Encased in a sleek US one-gang enclosure tailored for Decora-style wall plate openings, the transmitter serves as a 2x1 switcher and HDBaseT transmitter, supporting HDMI and USB-C inputs for seamless integration with a wide range of AV devices. With support for resolutions up to 4K@60Hz 4:4:4, this kit ensures exceptional visual fidelity and clarity. Moreover, the transmitter can be conveniently powered via Power Over Ethernet (POE) from the receiver or other HDBaseT-equipped devices, enhancing flexibility and ease of installation.



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Features



STANDARDS COMPLIANCE

Compliant with HDMI 2.0b, HDCP 2.2, and DisplayPort 1.2a (Adapter required for Display Port)



VIDEO RESOLUTIONS

Capable of displaying up to 4K@60Hz 4:4:4



TRANSMISSION DISTANCE

Extends up to 230ft / 70m for 1080P or 131ft / 40m for 4K



HDR SUPPORT

Supports HDR10 and HDR10+ formats



AUDIO FORMATS

Includes Dolby Atmos, TrueHD, Digital+, Digital; DTS X, HD Master Audio, HD High-Resolution Audio, 5.1; PCM 2-8Ch



POWER OVER ETHERNET

Supports POE (Receiver to Transmitter)



BG-EXHD-70UWP-W

4K UHD 18GBPS HDBASET HDMI/MDP/KVM WALL PLATE TRANSMITTER/RECEIVER KIT UP TO 230FT

Introducing the BG-EXHD-70UWP-W, an innovative 18Gbps HDBaseT Wall Plate Kit designed for seamless connectivity and high-performance transmission in professional AV setups. This kit includes a Wall Plate Transmitter and an HDBaseT to HDMI Receiver, offering unparalleled versatility and reliability in signal distribution.

Designed to fit seamlessly into Decora-style wall plate openings, this kit features a sleek US one-gang enclosure. The Wall Plate Transmitter serves as a 2x1 switcher and HDBaseT transmitter, supporting HDMI and DisplayPort (DP) inputs while also integrating USB 2.0 KVM functionality.



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on our website

Features



STANDARDS COMPATIBILITY

Compliant with HDMI 2.0b, HDCP 2.2, and DisplayPort 1.2a (Adapter required for Display Port)



RESOLUTION SUPPORT

Capable of displaying video resolutions up to 4K/UHD@60Hz 4:4:4



HDBASET OUTPUT

Extends video transmission distance up to 230ft / 70m for 1080P or 131ft / 40m for 4K via a single CAT6/6a/7 cable



HDR SUPPORT

Supports HDR10 and HDR10+ formats



AUDIO FORMATS

Supported audio formats include Dolby Atmos, TrueHD, Digital+, DTS X, HD Master Audio, HD High-Resolution Audio, and 5.1; PCM 2-8Ch



POE FUNCTIONALITY

Supports POE function (only from Receiver to Transmitter)



BG-EXH-70UCWP-W

4K UHD 18GBPS HDBASET HDMI/USB-C/RS-232 WALL PLATE TRANSMITTER/RECEIVER KIT UP TO 230FT

Introducing the BG-EXH-70UCWP-W 18Gbps HDBaseT 230ft Wall Plate Kit, a comprehensive solution for advanced signal transmission and distribution. This kit features a USB-C/HDMI Wall Plate Transmitter and an HDBaseT to HDMI Receiver, delivering exceptional performance and versatility for professional AV installations. Enclosed within a sleek US one-gang enclosure compatible with Decora-style wall plate openings, the transmitter functions as a 2x1 switcher and HDBaseT transmitter, supporting HDMI and USB-C inputs.

With support for video resolutions up to 4K2K@50/60Hz 4:4:4 and bidirectional RS-232 pass-through functionality, this kit ensures seamless integration and reliable control signal transmission. Furthermore, the transmitter can be remotely powered via Power Over Ethernet (POE) from the receiver or other HDBaseT-equipped devices, enhancing convenience and flexibility in installation.



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Features



SUPPORTS HIGH RESOLUTIONS

Up to 4K@120Hz YUV 4:4:4 with DSC function, extending up to 40m (132 feet)



STANDARDS COMPLIANT

Compatible with HDCP 2.3, HDCP 2.2, and HDCP 1.4



HIGH DYNAMIC RANGE VIDEO

Allows for the vivid display of HDR content



EDID AND HDCP BYPASS

Streamlines connectivity by bypassing EDID and HDCP protocols when necessary



DIGITAL STREAM CONVERSION (DSC)

Enables seamless conversion of digital streams, ensuring compatibility with DSC 1.2a standards



COMPRESSED AUDIO FORMATS

Supports various compressed audio formats, including DTS, Dolby Digital, DTS-HD Master Audio™, and Dolby TrueHD



BG-EXHD-70UCWP-W

4K UHD 18GBPS HDBASET HDMI/MDP/RS-232 WALL PLATE TRANSMITTER/RECEIVER KIT UP TO 230FT

Introducing the BG-EXHD-70UCWP-W 18Gbps HDBaseT 230ft Wall Plate Kit, complete with an MDP/HDMI Wall Plate Transmitter and an HDBaseT to HDMI Receiver. Designed for seamless integration into your AV setup, this kit offers advanced connectivity and transmission capabilities while maintaining a sleek aesthetic with its Decora-style wall plate design.

The wall plate serves as both a 2x1 switcher and an HDBaseT transmitter, accommodating HDMI and DisplayPort (DP) inputs. Supporting video resolutions of up to 4K2K@50/60Hz 4:4:4, ensures stunning clarity and detail in your visuals. Additionally, bidirectional RS-232 pass-through allows for convenient control signal transmission up to 131ft / 40m.



Check out this item
on our website

Features



STANDARDS COMPLIANCE

This device is compliant with HDMI 2.0b, HDCP 2.2, and DisplayPort 1.2a standards



EXTENDED VIDEO TRANSMISSION

The HDBaseT output extends video transmission distances. Achieve up to 230ft / 70m for 1080P@60 or 131ft / 40m for 4K@60 using a single CAT6/6a/7 cable



ENHANCED VISUAL EXPERIENCE

Supports 3D, HDR10, and Dolby Vision for an immersive viewing experience



AUDIO FORMAT SUPPORT

Enjoy a variety of audio formats including LPCM, Dolby Digital/Plus/EX, Dolby TrueHD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, and DSD through HDMI



INPUT COMPATIBILITY

Offers support for both HDMI and MDP inputs, ensuring versatility in connectivity



POWER OVER ETHERNET

POE function is supported, transmitting power from Receiver to Transmitter for simplified setup and operation. (Note: POE function is only supported from Receiver to Transmitter)



Signal Extenders

Wireless Extenders

BZBGEAR HDMI WIRELESS EXTENDERS

BZBGEAR HDMI wireless extenders provide a seamless solution for transmitting high-quality audio and video signals from an HDMI source to a display over a wireless connection. Designed with innovation and durability in mind, these extenders deliver exceptional performance and reliability for both professional and personal applications.

Equipped with advanced wireless interference protection, they ensure stable and uninterrupted signal transmission by effectively minimizing disruptions caused by other wireless devices. Loop-out ports allow for convenient local monitoring, enabling real-time observation of the transmitted signal without additional equipment. The extenders feature durable metal housing and versatile mounting options, ensuring long-term reliability and adaptability in various environments.



**WIRELESS RANGE
OVER 100 FT**



**4K UHD VIDEO
SUPPORT**



**ADVANCED SIGNAL
PROTECTION**

BG-AIR4KAST-PRO

4K60 UHD WIRELESS HDMI SENDER/RECEIVER EXTENDER KIT WITH ULTRA-LOW LATENCY

The BG-Air4Kast-Pro is a professional 60GHz wireless HDMI KVM extender supporting 4K@60Hz HDR transmission with visually lossless compression and ultra-low latency ($\leq 16\text{ms}$). Designed for applications requiring uncompromised image quality and responsive control, it enables seamless wireless extension of HDMI video, audio, keyboard, mouse, and touchscreen signals up to 66ft (20m). With strong anti-interference capabilities, HDMI loop-out, and KVM passback, the BG-Air4Kast-Pro is an ideal solution for gaming, live events, conference rooms, home theaters, and medical or educational environments.

The BG-Air4Kast-Pro leverages ipcolor IMAGE technology to deliver high-definition video with minimal compression and near-zero latency. Supporting resolutions up to 4096x2160@60Hz (4:4:4), HDR10, and Dolby Vision, it ensures a stunning visual experience with vibrant colors and precise detail.

Operating on the 60GHz frequency band, it minimizes interference from standard Wi-Fi and Bluetooth devices, guaranteeing stable and secure wireless performance. The transmitter supports HDMI loop-out for local monitoring, while the receiver enables real-time KVM control for remote PCs and servers via keyboard, mouse, or touchscreen devices.



CEDIA 2025 BEST OF SHOW
WINNER - RESIDENTIAL SYSTEMS



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Features



4K@60HZ HDR TRANSMISSION

Crystal-clear UHD visuals with support for HDR10 and Dolby Vision



ULTRA-LOW LATENCY

Wireless performance with $\leq 16\text{ms}$ latency, ideal for gaming and live streaming



IPCOLOR IMAGE TECHNOLOGY

Visually lossless compression with vibrant, accurate colors



60GHZ SPECTRUM

Stable connection with strong resistance to wireless interference



HDMI LOOP-OUT

Local monitoring at the transmitter side for flexible setups



KVM PASSBACK

Remote control of PCs and servers with keyboard, mouse, or touchscreen



Splitters

HDMI Splitters

BZBGEAR HDMI SPLITTERS

BZBGEAR HDMI splitters are designed to distribute a single HDMI source to multiple displays, ideal for large-scale setups like sports bars and auditoriums. They simplify installations by centralizing wiring, reducing clutter, and providing a single connection point for all displays. These splitters support high resolutions up to 4K@60Hz, ensuring top-tier video performance, and are HDMI 2.0a and HDCP 2.2 compliant for seamless compatibility. Advanced EDID management ensures reliable operation, while some models feature audio de-embedding with analog and digital audio extraction for flexible sound management.

BZBGEAR's splitters can distribute a single HDMI source to up to 24 displays, making them perfect for large-scale AV systems that require reliable, high-quality signal distribution and centralized control.



4K UHD
SUPPORT



MULTIPLE AUDIO
FORMATS SUPPORTED



SMALL TO LARGE
SCALE SYSTEM OPTIONS

BG-DA-1X2AS

1X2 4K UHD HDMI SPLITTER WITH DOWNSCALER WITH DIGITAL AND ANALOG AUDIO OUTPUT

The BG-DA-1X2AS is a high-performance HDMI splitter designed for professional applications. It offers the ability to split one 4K@60Hz input signal into two lossless copies, making it perfect for sharing a single device with two displays. The splitter supports resolutions up to 4K@60Hz 4:4:4 and HDCP 2.2, providing exceptional picture quality and stability.

One of the key features of the BG-DA-1X2AS is its selectable 4K to 1080P downscaler for each output, which allows for compatibility with legacy displays. The splitter also features EDID settings, which can be easily configured to COPY or AUTO modes, to help ensure more stable and seamless HDMI connections in different display situations.

In addition to its video capabilities, the BG-DA-1X2AS also provides audio extraction via optical and 3.5mm stereo outputs, enabling it to send signals to external audio systems. The splitter supports a variety of audio formats, including LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, and DSD, making it an ideal choice for professional audio and video installations.



[Check out this item on our website](#)

Features



4K SUPPORT

Supports resolutions up to 4K@60Hz 4:4:4



AUDIO EXTRACTION

HDMI audio extraction via optical and 3.5mm ports



HDCP 2.2

High-Bandwidth Digital Content Protection Supported



DOWNSCALING

Selectable 4K to 1080P downscaling feature



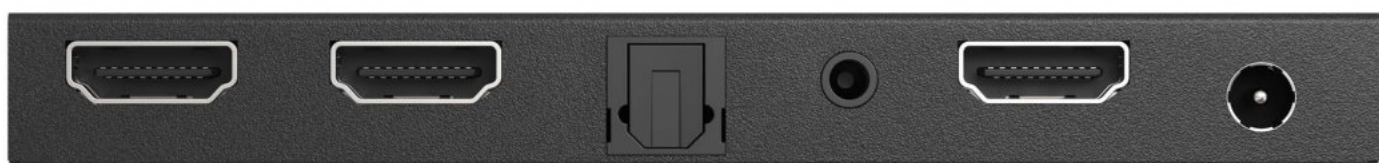
EDID

EDID dip switches ensure each output maintains a stable connection



EASY TO USE

Simple for anyone to learn



BG-DA-1X4AS

1X4 4K UHD HDMI SPLITTER WITH DOWNSCALER WITH DIGITAL AND ANALOG AUDIO OUTPUT

The BG-DA-1X4AS is a high-performance HDMI splitter designed for professional applications. It offers the ability to split one 4K@60Hz input signal into four lossless copies, making it perfect for sharing a single device with four displays. The splitter supports resolutions up to 4K@60Hz 4:4:4 and HDCP 2.2, providing exceptional picture quality and stability.

One of the key features of the BG-DA-1X4AS is its selectable 4K to 1080P downscaler for each output, which allows for compatibility with legacy displays. The splitter also features EDID settings, which can be easily configured to COPY or AUTO modes, to help ensure more stable and seamless HDMI connections in different display situations.

In addition to its video capabilities, the BG-DA-1X4AS also provides audio extraction via optical and 3.5mm stereo outputs, enabling it to send signals to external audio systems. The splitter supports a variety of audio formats, including LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, and DSD, making it an ideal choice for professional audio and video installations.



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Features



CRYSTAL CLEAR IMAGES

Images with resolutions up to 4K@60Hz



MULTIPLE OUTPUTS

Route once source to four separate HDMI outputs



DOWNSCALING

Control individual outputs to downscale from 4K to 1080P using dipswitches



DURABLE

Sturdy metal structure built to withstand years of operation



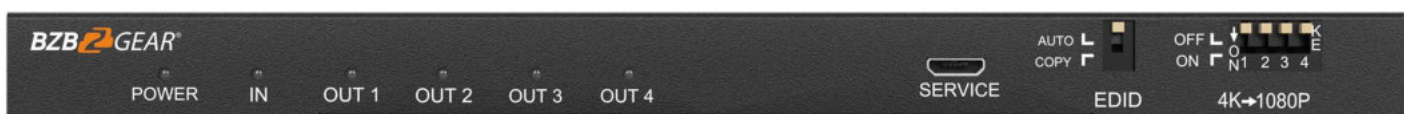
HDCP 2.2

High-Bandwidth Digital Content Protection Supported



AUDIO DE-EMBEDDING

De-embed audio from HDMI and output via S/PDIF or 3.5mm



BG-8K-DA18

**1X8 8K UHD HDMI 2.1 48GBPS SPLITTER
WITH AUTO DOWNSCALING/AUDIO DE-EMBEDDING
(8K60/4K120 AND VRR/ALLM/QMS/QFT/SBTM SUPPORT)**

The BG-8K-DA18 is a high-performance 1x8 HDMI splitter designed to distribute a single HDMI source to up to eight displays simultaneously with uncompromised video and audio quality. Supporting resolutions up to 8K@60Hz (4:2:0 12-bit) and 4K@120Hz (4:4:4 12-bit), this splitter is fully compliant with HDMI 2.1 and HDCP 2.3 standards, delivering ultra-high-definition content with rich color depth and dynamic range.

Engineered for next-generation devices like Xbox Series X and PlayStation 5, the BG-8K-DA18 offers seamless playback at 4K@120Hz, making it ideal for gaming, home theater, and professional AV setups. With support for 48Gbps FRL, VRR, ALLM, QMS, and QFT, it ensures fluid motion and low latency. Advanced features such as EDID management, HDR-to-SDR conversion, and auto downscaling per output simplify integration across mixed-resolution displays.



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Features



ULTRA-HIGH RESOLUTIONS

Supports up to 8K@60Hz (4:2:0, 12-bit) and 4K@120Hz (4:4:4, 12-bit) per HDMI 2.1 specifications



GAMING AND MOTION ENHANCEMENTS

Supports VRR, ALLM, QMS, QFT, and SBTM for smoother visuals and reduced latency



HDR FORMAT COMPATIBILITY

Pass-through support for HDR, HDR10, HDR10+, Dolby Vision, and HLG



ADVANCED AUDIO SUPPORT

Compatible with LPCM 7.1CH, Dolby TrueHD, Dolby Atmos, and DTS-HD Master Audio formats



PER-PORT DOWNSCALING

Automatically downscales resolution on each output to match connected displays



HDR TO SDR CONVERSION

Automatically converts HDR content to SDR on each output for non-HDR displays



BG-UHD-DA2X8

2X8 4K UHD HDMI SPLITTER/DISTRIBUTION AMPLIFIER WITH CEC SUPPORT

The BG-UHD-DA2X8 is an 8-way 4K HDMI splitter with two inputs. With a maximum resolution of 4K@60Hz, this unit makes it easy for users to share two 4K sources with up to 8 displays. This device is a simple, cost-effective solution for restaurants, bars, and retail spaces.

The BG-UHD-DA2X8 supports resolutions up to 4K@60Hz (4:4:4). This device is also compliant with HDCP 2.2 and HDMI 2.0. With the automatic 4K to 1080P downscaling feature, legacy displays can easily be integrated with no extra setup required. The integrated equalizer ensures stable signal is sent to all outputs, while the EDID management provides stable HDMI connections to all displays.

Audio Extraction is provided via the stereo RCA and Toslink connections, allowing the BG-UHD-DA2X8 to be connected to an external audio system. CEC control allows the splitter to turn compatible displays on, off, and adjust volume levels for easy centralized control.



[Check out this item on our website](#)

Features



4K SUPPORT

Supports resolutions up to 4K@60Hz with 4:4:4 Chroma sampling



VIDEO SCALING

Supports 4K to 1080p down-scaling



CUSTOMIZABLE EDID

Eliminates HDMI connection issues



VOLUME CONTROL

Easily adjust audio output signal levels



DUAL INPUT

Easily toggle between sources



AUDIO DE-EMBEDDING

Features RCA Stereo and Toslink outputs



BG-UHD-DA1X16

1X16 4K UHD HDMI SPLITTER/DISTRIBUTION AMPLIFIER WITH DOWNSCALING AND AOC CABLE SUPPORT

The BG-UHD-DA1X16 is a sixteen port 4K HDMI splitter. Providing connectivity for up to sixteen 4K displays, this device is perfect for large restaurants, bars, and retail spaces with multiple displays sharing a common video feed.

The BG-UHD-DA1X16 supports a maximum input resolution of 4K@60Hz 4:4:4. It is HDCP 2.2 compliant and supports enhanced video formats including HDR 10 and Dolby Vision. With active optical cable (AOC) HDMI support, this device can be used with long-distance AOC HDMI cable runs of up to 165 feet.

The auto-downscaling function of the BG-UHD-DA1X16 provides compatibility with legacy 1080P displays. This helps eliminate compatibility issues and helps the device play nice with lower resolution screens. The device is also HDCP 2.2 compliant. When used with compatible displays, the HDMI CEC control function of the BG-UHD-DA1X16 can control power on and off for connected displays.



[Check out this item on our website](#)

Features

4K CRYSTAL CLEAR IMAGES
Images with resolutions up to 4K@60Hz

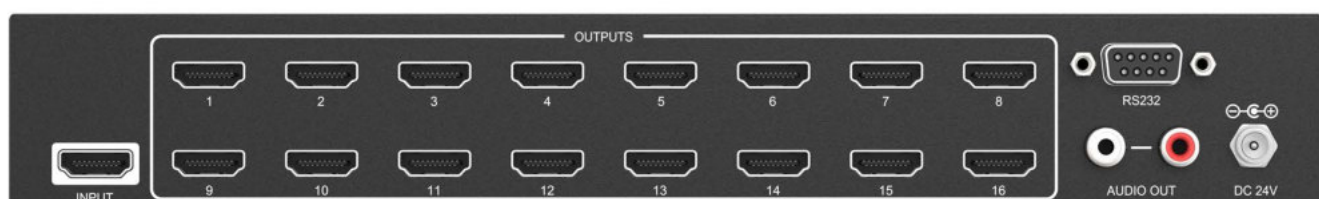
MULTIPLE OUTPUTS
Route once source to as many as 16 HDMI outputs

DOWNSCALING
Automatic downscaling to 1080p for legacy displays

DURABLE
Sturdy metal structure built to withstand years of operation

HDCP 2.2
High-Bandwidth Digital Content Protection Supported

AUDIO DE-EMBEDDING
De-embed audio from HDMI and output via Stereo RCA



BG-UHD-DA1X24

1X24 4K UHD HDMI SPLITTER/DISTRIBUTION AMPLIFIER WITH DOWNSCALING AND AOC CABLE SUPPORT

The BG-UHD-DA1X24 is a twenty-four port 4K HDMI splitter. Providing connectivity for up to twenty-four 4K displays, this device is perfect for large restaurants, bars, and retail spaces with multiple displays sharing a common video feed.

The BG-UHD-DA1X24 supports a maximum input resolution of 4K@60Hz 4:4:4. It is HDCP 2.2 compliant and supports enhanced video formats including HDR 10 and Dolby Vision. With active optical cable (AOC) HDMI support, this device can be used with long-distance AOC HDMI cable runs of up to 165 feet.

The auto-downscaling function of the BG-UHD-DA1X24 provides compatibility with legacy 1080P displays. This helps eliminate compatibility issues and helps the device play nice with lower resolution screens. The device is also HDCP 2.2 compliant. When used with compatible displays, the HDMI CEC control function of the BG-UHD-DA1X24 can control power on and off for connected displays.



[Check out this item on our website](#)

Features

4K **CRYSTAL CLEAR IMAGES**
Images with resolutions up to 4K@60Hz

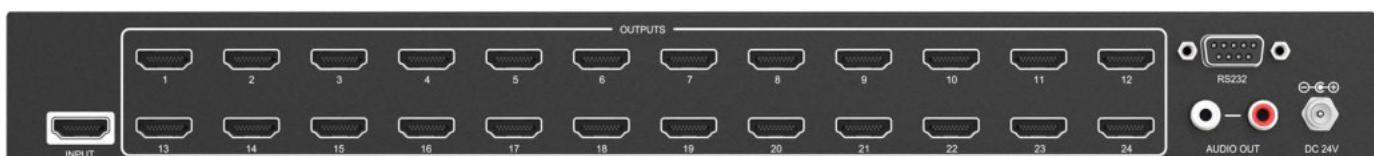
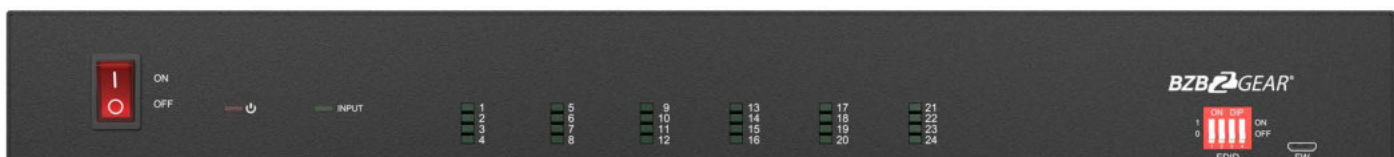
MULTIPLE OUTPUTS
Route once source to as many as 16 HDMI outputs

DOWNSCALING
Automatic downscaling to 1080p for legacy displays

DURABLE
Sturdy metal structure built to withstand years of operation

HDCP 2.2
High-Bandwidth Digital Content Protection Supported

AUDIO DE-EMBEDDING
De-embed audio from HDMI and output via Stereo RCA



Splitters

Long-Range HDMI Splitters

BZBGear LONG RANGE HDMI SPLITTERS

BZBGear long range HDMI splitters are engineered to distribute a single HDMI source to multiple distant displays over category cable, making them ideal for large venues such as sports bars, auditoriums, and other professional settings. These splitters eliminate the need for multiple source devices, simplifying installation and increasing system reliability.

By centralizing the wiring, they reduce clutter and make troubleshooting easier, as all displays are connected through a single point. BZBGear's long-range HDMI splitters come with HDMI extenders, allowing for transmission beyond the typical 50-foot limit of standard HDMI cables. Other features may include support for Full HD and 4K UHD resolutions (up to 4K@60fps), HDMI 2.0a and HDCP 2.2 compliance, and HDBaseT compatibility.



4K UHD
SUPPORT



MULTIPLE AUDIO
FORMATS SUPPORTED



LONG RANGE
TRANSMISSION

BG-UDAIC-E14

1X4 4K UHD HDMI SPLITTER/DISTRIBUTION AMPLIFIER KIT WITH 4 RECEIVERS AND IR/RS-232/AUDIO DE-EMBEDDING UP TO 230FT OVER CATEGORY CABLE

The BG-UDAIC-E14 by BZBGEAR is a high-performance extender/splitter kit that enables users to distribute one HDMI input to up to four extender outputs and extend signals up to 70 meters (230 feet) with CAT 6/6A/7 network cables. This solution is ideal for transmitting audio and video signals from a source located at a remote distance, providing reliable and zero-latency connectivity without compromising on quality. The BG-UDAIC-E14 supports resolutions up to 4K@60Hz, delivering stunning visuals with uncompromising clarity and precision. The extender/splitter kit offers zero-latency transmission, ensuring that audio and video sync perfectly without any noticeable delay.

Moreover, the receivers can output digital audio from the display (ARC) or from the source device via the S/PDIF port. HDMI loop out is also available. The extender/splitter kit offers bi-directional IR passthrough via IR blaster and IR receivers, enabling users to control equipment regardless of distances or obstacles. EDID passthrough and manual EDID setup with a dip-switches is available ensuring correct image resolutions. RS-232 passthrough is also supported.



[Check out this item on our website](#)

Features



CRYSTAL CLEAR IMAGES

Supports resolutions up to 4K@60Hz



ARC

Audio Return Channel support



CONTROL

Bi-Directional IR Passthrough



LONG RANGE

Transmit 4K HDMI signals up to 70m via CAT 6/6A/7



HDCP 2.2

High-Bandwidth Digital Content Protection Supported



AUDIO DE-EMBEDDING

Digital audio provided via TOSLINK connector on receiver



BG-UDAIC-E18

1X8 4K UHD HDMI SPLITTER/DISTRIBUTION AMPLIFIER KIT WITH 8 RECEIVERS AND IR/RS-232/AUDIO DE-EMBEDDING UP TO 230FT OVER CATEGORY CABLE

The BG-UDAIC-E18 by BZBGEAR is a high-performance extender/splitter kit that enables users to distribute one HDMI input to up to eight extender outputs and extend signals up to 70 meters (230 feet) with CAT 6/6A/7 network cables. This solution is ideal for transmitting audio and video signals from a source located at a remote distance, providing reliable and zero-latency connectivity without compromising on quality. The BG-UDAIC-E18 supports resolutions up to 4K@60Hz, delivering stunning visuals with uncompromising clarity and precision. The extender/splitter kit offers zero-latency transmission, ensuring that audio and video sync perfectly without any noticeable delay.

Moreover, the receivers can output digital audio from the display (ARC) or from the source device via the S/PDIF port. HDMI loop out is also available. The extender/splitter kit offers bi-directional IR passthrough via IR blaster and IR receivers, enabling users to control equipment regardless of distances or obstacles. EDID passthrough and manual EDID setup with a dip-switches is available ensuring correct image resolutions. RS-232 passthrough is also supported.



[Check out this item on our website](#)

Features



CRYSTAL CLEAR IMAGES

Supports resolutions up to 4K@60Hz



ARC

Audio Return Channel support



CONTROL

Bi-Directional IR Passthrough



LONG RANGE

Transmit HDMI signals up to 70m



HDCP 2.2

High-Bandwidth Digital Content Protection Supported



AUDIO DE-EMBEDDING

Digital audio provided via TOSLINK connector on receiver



BG-UDA-E14

1X4 4K UHD HDMI HDBASET SPLITTER/DISTRIBUTION AMPLIFIER KIT WITH 4 RECEIVERS AND IR/RS-232/AUDIO DE-EMBEDDING UP TO 390FT OVER CATEGORY CABLE

The BG-UDA-E14 is a 1x4 4K HDBaseT splitter/extender kit. Supporting resolutions up to 4K@60Hz, users can extend HDMI sources over category 6 cabling at distances up to 390 feet, or up to 490 feet at 1080P@60Hz with the included HDBaseT extenders. With the ability to connect to one local and four remote displays, this unit is ideally suited for use in restaurants, sports bars, retail spaces, and auditoriums.

The BG-UDA-E14 supports a maximum resolution of 4K@60Hz 4:4:4. Compliant with HDMI 2.0b, HDCP 2.2, and HDCP 1.x, the transmitter offers EDID management to eliminate HDMI connection problems. The transmitter is equipped with an HDMI loop out connection for connection to a local display. One digital coax and one analog audio phoenix connector provide audio extraction from the source for connection to an external sound system.



Check out this item
on our website

Features



4K@60 4:4:4 SUPPORT

Ultra HD refers to a TV resolution of 3840 x 2160 pixels



MULTI-CHANNEL AUDIO

Supports LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master



POWER OVER CABLE

Receivers need no power supply



LONG-DISTANCE

Transmit signal up to 120 meters (390 feet)



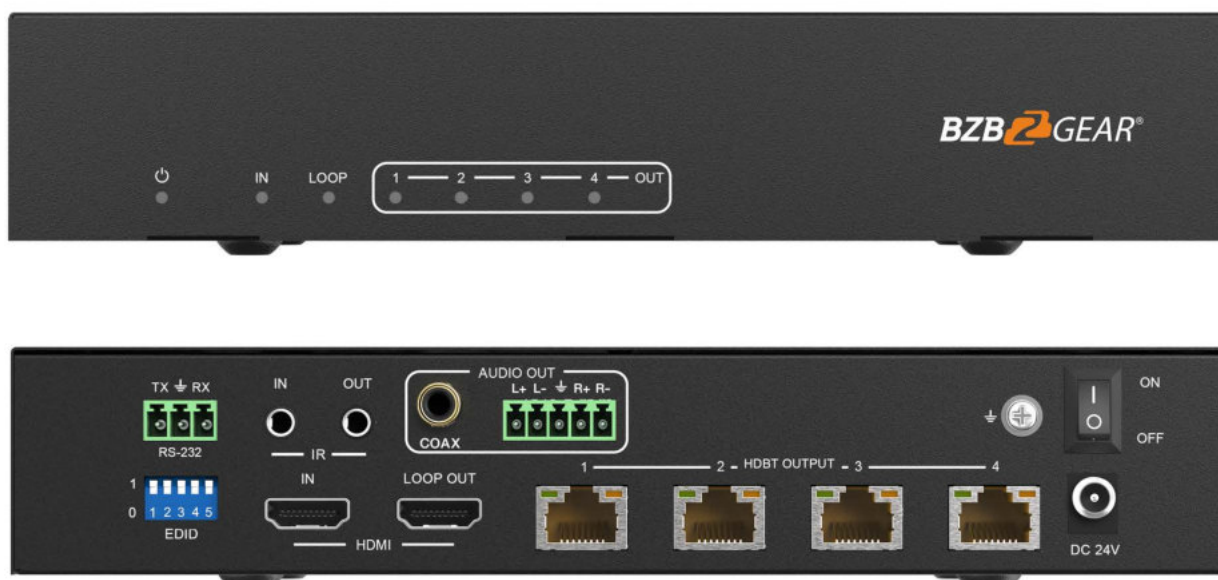
COMPACT DESIGN

Slim components make a clean installation easy



EDID CONTROL

Multiple selectable EDID modes ensure reliable connectivity



BG-UDA-E18

1X8 4K UHD HDBASET SPLITTER/DISTRIBUTION AMPLIFIER KIT WITH 8 RECEIVERS AND IR/RS-232/AUDIO DE-EMBEDDING UP TO 390FT OVER CATEGORY CABLE

The BG-UDA-E18 is a 1x8 4K HDBaseT splitter/extender kit. Supporting resolutions up to 4K@60Hz, users can extend HDMI sources over category 6 cabling at distances up to 390 feet, or up to 490 feet at 1080P@60Hz with the included HDBaseT extenders. With the ability to connect to one local and eight remote displays, this unit is ideally suited for use in restaurants, sports bars, retail spaces, and auditoriums.

Each receiver features Power over Ethernet, eliminating the need for a power supply at the display-end and enabling a clean installation. Each receiver has a 3.5mm stereo output for connection to a local sound source. The slim design of the receivers helps them fit behind the displays, and each one is equipped with RS-232 passthrough and bi-directional IR passthrough for integration with control systems.



Check out this item
on our website

Features



4K@60 4:4:4 SUPPORT
Ultra HD refers to a TV resolution of 3840 x 2160 pixels



MULTI-CHANNEL AUDIO
Supports LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master



POWER OVER CABLE
Receivers need no power supply



LONG-DISTANCE
Transmit signal up to 120 meters (390 feet)



COMPACT DESIGN
Slim components make a clean installation easy



EDID CONTROL
Multiple selectable EDID modes ensure reliable connectivity



Splitters

SDI Splitters

BZBGear SDI SPLITTERS

BZBGear SDI Splitters are high-performance devices designed to distribute a single SDI video signal to multiple outputs, ensuring seamless transmission to monitors, recorders, or other AV equipment without signal degradation. Essential in professional video production environments such as live broadcasting, event production, and studio operations, these splitters provide reliable, high-quality signal distribution.

Engineered to support 12G-SDI for 4K UHD content, BZBGear SDI splitters maintain superior signal integrity, even over long distances, making them ideal for demanding video applications. Available in both rack-mounted and portable formats, they offer versatile solutions to meet the needs of various production setups.

Advanced models feature automatic failover functionality, providing redundancy to ensure uninterrupted signal distribution, even in the event of a failure. This added reliability makes BZBGear SDI splitters a trusted choice for ensuring consistent, high-quality video output in professional settings.



4K UHD
SUPPORT



SIGNAL INTEGRITY
OVER LONG DISTANCES



RACK-MOUNTABLE &
PORTABLE

BG-DA-12GS1X2

4K UHD 12G-SDI 1X2 SPLITTER/DISTRIBUTION AMPLIFIER

The BG-DA-12GS1X2 is a 1x2 12G-SDI splitter. This device can split an SD, HD, 3G, 6G, or 12G-SDI video source to two SDI outputs simultaneously. For any situation where range, quality, consistency, and reliability are all factors, this unit is the correct choice. Whether you need to connect additional displays for video feed monitoring, distribute a 4K signal over a long distance, or daisy chain and cascade multiple units to build a large scale video distribution solution - the BG-DA-12GS1X2 will help you get the job done.

Each output from the BG-DA-12GS1X2 is buffered independently and re-clocked eliminating signal disruption and making it possible to extend signal transmission to greater distances. With automatic input cable equalization, 12G-SDI signal can be transmitted up to 70m (230 ft), 6G up to 100m (330 ft), and up to 180m (594 ft) for 3G connections.



[Check out this item on our website](#)

Features



MULTIPLE OUTPUTS

Split a single SDI source up to 2 different SDI displays or devices



BUFFERED AND RE-CLOCKED OUTPUTS

Eliminate jitter and increase transmission distance



SPLIT AND AMPLIFY

Split and extend a 4K signal up to 230ft (12G)



LED INDICATORS

Signal lock and video rate at a glance



INTERLOCKED POWER SUPPLY

Ensures power stays connected



RUGGED DESIGN

Durable metal structure built to withstand years of operation



BG-DA-12GS1X4

4K UHD 12G-SDI 1X4 SPLITTER/DISTRIBUTION AMPLIFIER

The BG-DA-12GS1X4 is a 1x4 12G-SDI splitter and distribution amplifier. This device can split an SD, HD, 3G, 6G, or 12G-SDI video source up to four SDI outputs simultaneously. For any situation where range, quality, consistency, and reliability are all factors, this unit is the correct choice. Whether you need to connect additional displays for video feed monitoring, distribute a 4K signal over a long distance, or daisy chain and cascade multiple units to build a large scale video distribution solution - the BG-DA-12GS1X4 will help you get the job done.

The device has a maximum SDI bandwidth of 11.88 Gbps to support high quality video transmission with low latency when splitting video to multiple outputs. Installers can also utilize the device's LED indicators that show the status of signal lock and current video rate to reduce the amount of time system configuration is needed.



[Check out this item on our website](#)

Features



MULTIPLE OUTPUTS

Split a single SDI source up to 2 different SDI displays or devices



BUFFERED AND RE-CLOCKED OUTPUTS

Eliminate jitter and increase transmission distance



4K SPLIT AND AMPLIFY

Split and extend a 4K signal up to 230ft (12G)



LED INDICATORS

Signal lock and video rate at a glance



INTERLOCKED POWER SUPPLY

Ensures power stays connected



RUGGED DESIGN

Durable metal structure built to withstand years of operation

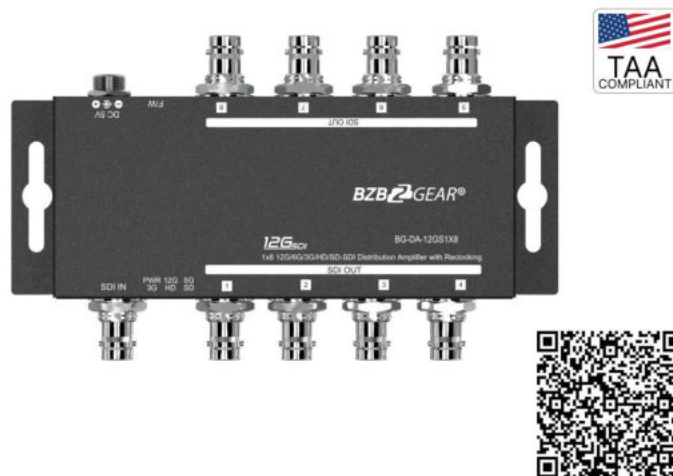


BG-DA-12GS1X8

4K UHD 12G-SDI 1X8 SPLITTER/DISTRIBUTION AMPLIFIER

The BG-DA-12GS1X8 is a 1x8 12G-SDI splitter and distribution amplifier. This device can split an SD, HD, 3G, 6G, or 12G-SDI video source up to eight SDI outputs simultaneously. For any situation where range, quality, consistency, and reliability are all factors, this unit is the correct choice. Whether you need to connect additional displays for video feed monitoring, distribute a 4K signal over a long distance, or daisy chain and cascade multiple units to build a large scale video distribution solution - the BG-DA-12GS1X8 will help you get the job done.

Each output from the BG-DA-12GS1X8 is buffered independently and re-clocked eliminating signal disruption and making it possible to extend signal transmission to greater distances. With automatic input cable equalization, 12G-SDI signal can be transmitted up to 70m (230 ft), 6G up to 100m (330 ft), and up to 180m (594 ft) for 3G connections.



[Check out this item on our website](#)

Features



8 OUTPUTS

Split a single SDI source up to 8 different SDI displays or devices



BUFFERED AND RE-CLOCKED OUTPUTS

Eliminate jitter and increase transmission distance



SPLIT AND AMPLIFY

Split and extend a 4K signal up to 230ft (12G)



LED INDICATORS

Signal lock and video rate at a glance



INTERLOCKED POWER SUPPLY

Ensures power stays connected



RUGGED DESIGN

Durable metal structure built to withstand years of operation



Video Converters

BZBGEAR VIDEO CONVERTERS

A BZBGEAR converter is a highly versatile device that seamlessly transforms signals from one format to another, ensuring flawless compatibility between different video, audio, or data systems. These essential tools bridge the gap between legacy and modern equipment, making them indispensable for professional AV setups, broadcasting environments, and home theater systems. Designed with user convenience in mind, converters offer plug-and-play functionality for effortless operation. Simply connect the input and output cables, power the device, and enjoy seamless signal conversion—no technical expertise or complex configurations are required.

BZBGEAR provides a range of converters that cater to various needs, including resolution options from HD to impressive 4K, while complying with industry standards. This ensures broad compatibility and exceptional reliability across various systems, delivering high-quality results for any application.



**HIGH-QUALITY
CONVERSION**



PLUG AND PLAY



**HD TO 4K
SUPPORT**

BG-4KSH

4K UHD 12G-SDI TO HDMI 2.0 CONVERTER WITH AUDIO EXTRACTION (12G/6G/3G/HD-SDI SUPPORT)

The BZBGEAR BG-4KSH is a 12G/6G/3G/HD-SDI to HDMI 2.0 converter with audio extraction. The SDI signal is digitally converted into HDMI, guaranteeing lossless conversion for both audio and video.

Featuring up to 8 channels of audio, the BG-4KSH is compatible with 7.1 or 5.1 surround sound systems. The 3.5mm analog stereo output, SDI input, SDI loop-out, and HDMI output provides users convenient flexibility. With these robust features, the BG-4KSH can take SDI signals from professional or commercial AV equipment and effortlessly convert it to HDMI without compression for use of popular consumer-grade video interfaces.

- 7.1 or 5.1 channel surround
- Convert signal from professional/commercial grade AV equipment to a more common interface
- Digital conversion of signal ensures lossless transformation for audio and video



[Check out this item on our website](#)

Features



CRYSTAL CLEAR IMAGES

Stunning image quality up to 4K@60Hz



HDMI OUTPUT

Convert SDI to HDMI the most popular video interface in the world



SDI LOOP-OUT

Loop out to view content locally at device



AUDIO EMBEDDING

Embed audio from a 3.5mm Stereo Mini input



STATUS LEDS

See signal and power status at a glance with built in status lights



DURABLE METAL ENCLOSURE

Designed for years of reliable use



BG-4KHS

4K UHD HDMI 2.0 TO 12G-SDI CONVERTER WITH HDMI LOOP-OUT AND AUDIO EMBEDDER

The BG-4KHS HDMI to SDI converter seamlessly converts an HDMI 2.0 signal to 12G/6G/3G/HD/SD-SDI in real time. The conversion between HDMI 2.0 and SDI is purely digital. When converting HDMI 2.0 to SDI, there is no loss or weakness of signal quality. Additionally, with up to 8 channels of audio support, 7.1 channel audio and 5.1 channel audio becomes available. With the use of BG-4KHS, users can expand their access to professional SDI compatible equipment!

The BG-4KHS provides two low jitter SDI outputs and one HDMI loop-out. To provide a more flexible application, the BG-4KHS is also equipped with a high quality analog stereo embedder. Analog audio supports 2ch and HDMI surround sound supports up to 7.1ch. Furthermore, this HDMI to SDI converter supports resolutions up to 4K@60Hz. The lowest resolution BG-4KHS supports is 720p@50Hz.

For additional application support, the BG-4KHS HDMI to SDI converter is wall mountable. One mounting rack set is included with the purchase of this device. The package also includes a 5V power adapter to ensure users have everything they need right out of the box.



[Check out this item on our website](#)

Features



CRYSTAL CLEAR IMAGES

Stunning image quality up to 4K@60Hz



HDMI LOOP-OUT

Loop out to view content locally at device



DUAL SDI OUTPUTS

Split an HDMI signal from 1 source to 2 SDI outputs for long range signal transmission



AUDIO EMBEDDING

Embed audio from a 3.5mm Stereo Mini input



STATUS LEDS

See signal and power status at a glance with built in status lights



DURABLE METAL ENCLOSURE

Designed for years of reliable use



BG-4KBHS

12G/6G/3G/HD-SDI & HDMI 2.0 BI-DIRECTIONAL CONVERTER WITH AUDIO EMBEDDING AND EXTRACTION

The BG-4KBHS is a professional-grade 12G/6G/3G/HD-SDI and HDMI 2.0 bi-directional converter featuring integrated audio embedding and extraction. Designed for uncompromising signal quality and reliability, this converter enables seamless real-time conversion between HDMI and SDI formats without latency or signal loss. Supporting full digital conversion, it maintains uncompressed, lossless video and audio for pristine broadcast performance.

With support for up to 8 audio channels, including 7.1 and 5.1 surround sound, and a high-quality analog stereo embedder and extractor, the BG-4KBHS bridges professional SDI systems with consumer HDMI devices in a single, versatile solution. Its low-jitter SDI output, automatic signal detection, and broad video format support up to 4K@60Hz make it a reliable tool for broadcast studios, post-production, and AV integration environments demanding flexible and high-fidelity signal management.



Check out this item
on our website

Features



SUPPORTS HD & UHD FORMATS

720p@50/59.94/60Hz,
1080i@50/59.94/60Hz,
1080p@23.97/24/25/29.97/30/50/59.9
4/60Hz, 4K2K@23.98/24/25/29.97/30/
50/59.94/60Hz



HIGH BIT RATE SUPPORT

Handles SDI bit rates of 270 Mbps
up to 11.88 Gbps, including fractional
rates for broadcast compatibility



AUDIO CHANNEL SUPPORT

Supports up to 8 audio channels,
including 7.1 and 5.1 surround sound



ANALOG STEREO EMBEDDER & EXTRACTOR

Provides high-quality analog audio
embedding and extraction for
flexible audio routing



REAL-TIME BI-DIRECTIONAL CONVERSION

Converts HDMI to SDI and SDI to
HDMI without latency or quality loss



AUTO SDI DETECTION

Automatically detects and switches
between 12G, 6G, 3G, and HD-SDI
signals



BG-4KBHS-PRO

HDMI 2.0 & 12G/6G/3G/HD-SDI CROSS CONVERTER AND SCALER WITH 3.5" LCD DISPLAY/BUILT-IN TEST PATTERNS/AUDIO EMBEDDER/DE-EMBEDDER

The BG-4KBHS-PRO is a professional-grade HDMI 2.0 and 12G/6G/3G/HD-SDI cross-converter and scaler built for high-performance signal conversion, monitoring, and analysis. Designed for broadcast, production, and professional AV applications, it supports up to 12G-SDI 4K60 and HDMI 2.0 4K60 video formats for seamless interoperability across a wide range of devices. Featuring an integrated 3.5" LCD display and intuitive push-button controls, it enables real-time signal monitoring and effortless on-screen configuration of video, audio, and output parameters.

Beyond simple conversion, the BG-4KBHS-PRO is a comprehensive diagnostic and calibration tool. Its advanced waveform and audio metering functions, combined with built-in test patterns and flexible scaling capabilities, make it an indispensable device for field engineers, content creators, and AV technicians who demand precision and reliability in every workflow.

For professional video analysis, the processor provides YCbCr waveform display, RGB monitoring, and audio level metering, viewable directly via the OSD or LCD interface. Engineers can access a suite of built-in test patterns to evaluate signal integrity, perform color calibration, or verify display alignment.



Check out this item
on our website

Features



DUAL-FORMAT CONVERSION

Supports simultaneous HDMI ↔ SDI cross-conversion with passthrough options



4K60 ULTRA HD SUPPORT

Handles HDMI 2.0 and 12G-SDI signals up to 4K2K @ 60Hz for superior clarity



INTEGRATED LCD DISPLAY

3.5" screen provides real-time video preview and on-screen control interface



ADVANCED VIDEO ANALYSIS

Features YCbCr waveform, RGB monitoring, and audio level meters with OSD overlay



BUILT-IN TEST PATTERNS

Enables quick calibration and signal verification in professional environments



AUDIO EMBEDDING & EXTRACTION

S/PDIF I/O allows precise audio signal routing between HDMI and SDI



Video Switchers

Basic Switchers

BZBGEAR BASIC SWITCHERS

BZBGEAR's Basic HDMI Switchers provide a straightforward solution for managing multiple HDMI sources on a single display, combining simplicity with advanced functionality. Designed for plug-and-play use, these switchers come in 2x1 and 4x1 models and support high-resolution formats up to 8K60 and 4K120Hz, making them a versatile choice for both casual users and professionals. With intuitive one-button switching and smart auto-switching, they streamline source management while ensuring seamless transitions between devices.

Beyond their ease of use, BZBGEAR Basic Switchers deliver features often reserved for professional-grade gear. Flexible EDID management, audio de-embedding for formats like LPCM, Dolby, and DTS, plus gaming-friendly enhancements such as VRR and ALLM, ensure compatibility across a wide range of applications. Whether for home entertainment, gaming setups, commercial environments, or professional AV systems, these compact devices offer reliability, flexibility, and powerful performance in an accessible, user-friendly package.



4K TO 8K
SUPPORT



ADVANCED AUDIO
FEATURES



SIMPLE CONTROL
OPTIONS

BG-8K-HS21AR

2X1 8K UHD HDMI 2.1 SWITCHER WITH DIGITAL/ANALOG
AUDIO DE-EMBEDDING/EDID/RS-232 (8K60/4K120HZ 4:4:4
VRR/ALLM SUPPORT)

The BG-8K-HS21AR is a high-performance 2x1 HDMI switcher designed to seamlessly switch between two 8K HDMI sources and deliver crystal-clear video to a single 8K display. Supporting resolutions up to 8K@60Hz 4:2:0 12-bit, 8K@30Hz 4:4:4 12-bit, and 4K@120Hz 4:4:4 12-bit, this device ensures stunning visual quality in compliance with the HDMI 2.1 and HDCP 2.3 standards. Full compatibility with HDR10, HDR10+, Dolby Vision, and ALLM/VRR pass-through guarantees exceptional color performance and dynamic range for a premium viewing experience.

Beyond video switching, the BG-8K-HS21AR features digital and analog audio de-embedding, offering analog audio output with gain control. A built-in HDMI signal generator simplifies troubleshooting and diagnostics, while advanced EDID management and integrated signal equalization ensure stable and reliable signal transmission. Users can operate the device through front panel buttons, an IR remote, or RS-232 API commands, with auto or manual switching modes for added flexibility.



Check out this item
on our website

Features



8K & 4K120 SUPPORT

Up to 8K@60Hz YCbCr 4:2:0 12-bit,
8K@30Hz RGB/YCbCr 4:4:4 12-bit,
and 4K@120Hz RGB/YCbCr 4:4:4 12-bit



HDMI AUDIO FORMATS

LPCM, Dolby Digital/Plus/EX, Dolby
TrueHD, Dolby Atmos, DTS, DTS-EX,
DTS 96/24, DTS High-Resolution
Audio, DTS-HD Master Audio, and
DSD



FLEXIBLE SWITCHING MODES

Supports both automatic
and manual input switching



MULTIPLE CONTROL OPTIONS

Control via front panel buttons, IR
remote, and RS-232 API commands



VERSATILE AUDIO DE-EMBEDDING

Extracts both digital and analog
audio with analog output featuring
adjustable gain control



HDR PASS-THROUGH

Compatible with HDR, HDR10,
HDR10+, Dolby Vision, ALLM (Auto
Low Latency Mode), and VRR
(Variable Refresh Rate)



BG-8K-HS41AR

4X1 8K UHD HDMI 2.1 SWITCHER WITH DIGITAL/ANALOG
AUDIO DE-EMBEDDING/EDID/RS-232 (8K60/4K120HZ 4:4:4
VRR/ALLM SUPPORT)

The BG-8K-HS41AR is a high-performance 4x1 HDMI switcher designed to deliver seamless switching between up to four 8K HDMI source devices and a single 8K display. Supporting video resolutions up to 8K@60Hz (4:2:0, 12-bit), 8K@30Hz (4:4:4, 12-bit), and 4K@120Hz (4:4:4, 12-bit) as specified in HDMI 2.1, this switcher ensures crystal-clear image quality with HDR formats including HDR10, HDR10+, Dolby Vision, and pass-through for ALLM/VRR. It is fully HDCP 2.3 compliant and supports advanced HDMI audio formats such as Dolby Atmos, DTS-HD Master Audio, and DSD, ensuring compatibility with the latest AV equipment.

Engineered for versatility and ease of use, the BG-8K-HS41AR offers a built-in HDMI signal generator for quick troubleshooting and supports digital and analog audio de-embedding, with analog audio output featuring adjustable gain control. Advanced EDID management is accessible through a 4-pin DIP switch, while control options include front panel buttons, IR remote, and RS-232 API commands.



Check out this item
on our website

Features



8K & 4K120 SUPPORT

8K@60Hz YCbCr 4:2:0 12-bit,
8K@30Hz RGB/YCbCr 4:4:4 12-bit,
and 4K@120Hz RGB/YCbCr 4:4:4 12-bit



CONTROL OPTIONS

Supports control via front panel buttons, IR remote, and RS-232 API commands



AUDIO FORMAT SUPPORT

LPCM, Dolby Digital/Plus/EX, Dolby TrueHD, Dolby Atmos, DTS, DTS-EX, DTS 96/24, DTS High-Res, DTS-HD Master Audio, and DSD



AUDIO DE-EMBEDDING

Supports digital and analog audio de-embedding with analog audio output and gain control adjustment



SWITCHING MODES

Offers automatic and manual switching between input sources



HDR & GAMING FEATURES

Pass-through support for HDR10, HDR10+, Dolby Vision, ALLM, and VRR



Video Switchers

Matrix Switchers

BZBGEAR MATRIX SWITCHERS

BZBGEAR 4K and 8K matrix switchers serve as centralized hubs that seamlessly route video, audio, and IR signals between multiple sources and displays, making them ideal for commercial settings like sports bars, retail spaces, and large homes or churches. These versatile matrix switchers offer an intuitive user experience through the BG-SWITCH-CONTROL app, which features a simple drag-and-drop interface for easy source switching. Designed for effortless integration, BZBGEAR matrix switchers include web interfaces, RS-232 ports, and Crestron control driver support, ensuring broad compatibility with both new and existing AV systems.

Equipped with HDMI input and output ports, audio embedding/extraction capabilities, LAN ports for network control, and advanced EDID dip switches, BZBGEAR matrix switchers guarantee smooth video and audio compatibility across various displays. The inclusion of IR ports further enhances control, while the overall design emphasizes flexibility and user-friendliness. Whether for home theaters or commercial environments, BZBGEAR's matrix switchers offer a professional-grade, easy-to-use solution for managing sophisticated AV setups.



4K TO 8K
SUPPORT



ADVANCED AUDIO
FEATURES



MULTIPLE CONTROL
OPTIONS

BG-8K-22MA

**2X2 8K UHD HDMI 2.1 MATRIX SWITCHER
WITH AUTO DOWNSCALING/AUDIO DE-EMBEDDING
(8K60/4K120 AND VRR/FVA/ALLM SUPPORT)**

The 2x2 8K 60Hz HDMI matrix switcher is a high-performance device that allows you to switch between two HDMI input sources and send the output to two separate displays. It supports 8K resolution at 60Hz refresh rate for crystal clear picture quality. Additionally, it features audio de-embedding, allowing you to extract the audio from the HDMI signal and route it to an external audio system. The EDID management function ensures compatibility between the source and display devices by mimicking the EDID of the connected displays. This ensures optimal video and audio performance. This matrix switcher is a ideal for any professional A/V setup, home theater, and conference room.

In addition to 8K resolution at 60Hz, this 2x2 HDMI matrix switcher also supports 4K resolution at 120Hz, making it ideal for the gaming community who require the highest quality video and smooth frame rates for an immersive gaming experience. High refresh rates, such as 120Hz, can make a big difference for fast-paced games, making the image look smoother, and reducing motion blur.



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on our website](#)

Features



SECURE CONTENT
HDMI 2.1 and HDCP 2.3 compliant



8K AND 4K@120HZ
Video resolutions up to 8K@60Hz
4:2:0 10-bit, 8K@30Hz 4:4:4 10-bit,
4K@120Hz 4:4:4 10-bit



AUDIO FORMATS
LPCM, Dolby Digital/Plus/EX, Dolby
True HD, DTS, DTS-EX, DTS-96/24,
DTS High Res, DTS-HD Master
Audio, DSD



EDID MANAGEMENT
Seamless scaling for the best results



CONTROL OPTIONS
IR remote control and front panel
button switching



COMPACT DESIGN
For easy and flexible installation



BG-8K-42MA

**4X2 8K UHD HDMI 2.1 MATRIX SWITCHER
WITH AUTO DOWNSCALING/AUDIO DE-EMBEDDING
(8K60/4K120 AND VRR/FVA/ALLM SUPPORT)**

The BG-8K-42MA 8K HDMI matrix switch is the perfect solution for users who need to share up to four HDMI sources with up to two displays. With its user-friendly interface and advanced features, this matrix switch allows you to effortlessly switch between multiple sources, or display a single source on two displays with just the press of a button.

This high-performance switch is designed for both professional and recreational use all while delivering exceptional picture and audio quality thanks to its support for 8K resolutions and a range of high-quality audio formats. Whether you're working on a demanding post-production project, need a reliable tool for sharing content in a business setting, or an easier way to manage several gaming consoles, the BG-8K-42MA has you covered.



Check out this item
on our website

Features



SUPPORTS 8K AND 4K120

Video resolution up to 8K@60Hz
4:2:0 10-bit, 8K@30Hz 4:4:4 10-bit,
4K@120Hz 4:4:4 10-bit



EASY CONTROL OPTIONS

IR remote control and front panel
button switching



HDMI AUDIO FORMATS

LPCM, Dolby Digital/Plus/EX, Dolby
True HD, Dolby Atmos, DTS, DTS-EX,
DTS-96/24, DTS High Res, DTS-HD
Master Audio, DSD



AUTOMATIC DOWNSCALING

8K->4K, 8K/4K->2K downscaling



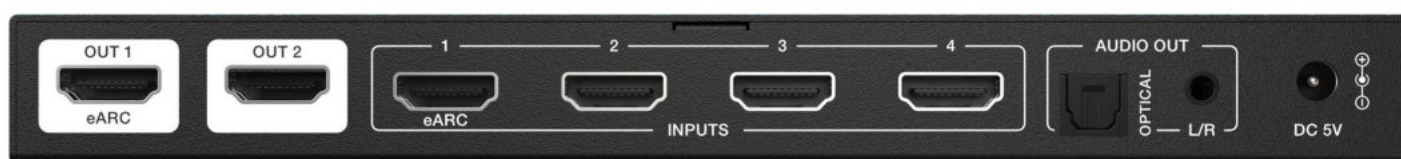
HIGH QUALITY AND SECURE CONTENT

HDMI 2.1 and HDCP 2.3 compliant



COMPACT DESIGN

For easy and flexible installations



BG-8K-44MA

**4X4 8K UHD HDMI 2.1 MATRIX SWITCHER
WITH AUTO DOWNSCALING/AUDIO DE-EMBEDDING
(8K60/4K120 AND VRR/FVA/ALLM SUPPORT)**

With four HDMI 2.1a inputs and four HDMI 2.1a outputs, the BG-8K-44MA 8K HDMI matrix switch allows users to share up to four HDMI sources with up to four displays. Perfect for when you need to change multiple sources to show on various displays or even select just one source to show on all displays with the press of a button. Professional-grade picture and audio quality are achieved with support for 8K resolutions and various high-quality audio formats.

For gamers, the ability to display high-resolution graphics at high frame rates is crucial for a smooth and immersive gaming experience. With support for 4K resolution at 120Hz, the BG-8K-44MA can help ensure that your games are displayed with the highest level of detail and fluidity. This is particularly important for fast-paced games where a high frame rate can make a significant difference in your ability to react to in-game events. The 8K HDMI 4x4 matrix switcher's support for 4K at 120Hz can help you get the most out of your favorite games.



[Check out this item
on our website](#)

Features



4X4 ROUTING

Features 4 x HDMI inputs which can be independently routed to 4 x HDMI outputs



HDCP COMPLIANT

HDMI 2.1a (48Gbps) HDCP 2.3 (and all earlier versions supported)



8K AND 4K@120HZ

Up to 8K@60Hz 4:2:0, 8K@30Hz 4:4:4 and 4K@120Hz 4:4:4 8K to 4K or 8K/4K to 1080p



AUTO SCALING

Down Scaling on all outputs



CONTROL OPTIONS

Control via front panel, IR, RS-232, and TCP/IP (Web GUI)



EDID MANAGEMENT

Seamless scaling for the best results



BG-4K-44MA

4X4 4K UHD HDMI 2.0 MATRIX SWITCHER WITH AUDIO DE-EMBEDDING/INDEPENDENT ROUTING AND IR MATRIXING (4K60 - 4:4:4 AND HDR SUPPORT)

With four HDMI 2.0 inputs and four HDMI 2.0 outputs, the BG-4K-44MA 4K HDMI matrix switch allows users to share up to four HDMI sources with up to four displays. Perfect for when you need to change multiple sources to show on various displays or even select just one source to show on all displays with the press of a button. Audio can also be independently routed. Professional-grade picture and audio quality are achieved with support for 4K resolutions and various high-quality audio formats.

The BG-4K-44MA supports high resolutions up to 4K@60Hz 4:4:4 with HDR. With 18 Gbps of uncompressed bandwidth, HDMI signals are routed with no loss of quality. All HDMI ports on this matrix are HDCP 2.2 compliant. This device is also equipped with auto-downscaling on all outputs, ensuring compatibility with legacy displays. The BG-4K-44MA also supports Digital S/PDIF and Balanced audio output formats.

The BG-4K-44MA offers multiple control methods including front panel controls, IR remote control, RS-232, or TCP/IP (Web GUI). The included IR receiver allows the unit to be controlled with the included remote while located out of sight for a clean installation.



Check out this item
on our website

Features



HDCP COMPLIANT

HDMI 2.0 (18Gbps) HDCP 2.2 (and all earlier versions supported)



4K@60Hz

Up to 4K@60Hz 4:4:4 with HDR. Supports downscaling to 1080p



AUTO SCALING

Downscaling on all outputs



CONTROL OPTIONS

Control via front panel, IR, RS-232, and TCP/IP (Web GUI)



HDR PASS-THROUGH

HDR10, HDR10+, Dolby Vision pass-through supported



AUDIO MATRIXING

The audio can be independently routed



BG-4K-VP44

4X4 4K UHD SEAMLESS HDMI MATRIX SWITCHER/VIDEO WALL PROCESSOR/MULTIVIEWER WITH SCALER/IR/AUDIO/IP AND RS-232

The BG-4K-VP44 is a powerful video processor and supports four HDMI inputs that can be independently routed to HDMI Outputs. This unit can create video walls, act as a multi-viewer and perform matrix functions! The BG-4K-VP44 supports Video Wall configurations of up to 7 different modes with each monitor. It can also display four pictures on the same screen and has multiple split display modes.

With max resolutions up to 4K@60HZ 4:4:4, the BG-4K-VP44 is capable of producing high-quality imagery with pristine detailing and rich color. All HDMI ports on this unit are HDCP 2.2 compliant. This device also supports analog audio extraction, and audio channels can be switched independently.

The BG-4K-VP44 offers multiple control methods including front panel controls, IR remote control, RS-232, or IP control. The included IR receiver allows the unit to be controlled with the included remote while located out of sight for a clean installation.



PROCESSING AND DISTRIBUTION
TECHNOLOGY OF THE YEAR - AV
AWARDS 2023 FINALISTS



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Features



4X4 MATRIXING

4x HDMI Inputs that can be independently routed to 4 HDMI Outputs



VIDEO WALL

Supports Video Wall up to 7 different modes with each monitor



MULTIVIEW CAPABILITIES

It can display 4 pictures on the same screen and has multiple split display modes



HDCP COMPLIANT

HDCP 2.2 compliancy ensures copyright protection



CONTROL OPTIONS

Control via panel button, Remote Control, RS232 Control, TCP/IP Control



4K@60HZ

Supports resolution up to 4K@60Hz 4:4:4



BG-8K-88MA

**8X8 8K UHD HDMI 2.1 MATRIX SWITCHER
WITH AUTO DOWNSCALING/AUDIO DE-EMBEDDING
(8K60/4K120 AND VRR/FVA/ALLM SUPPORT)**

With eight HDMI 2.1a inputs and eight HDMI 2.1a outputs, the BG-8K-88MA 8K HDMI matrix switch allows users to share up to eight HDMI sources with up to eight displays. Perfect for when you need to change multiple sources to show on various displays or even select just one source to show on all displays with the press of a button. Professional-grade picture and audio quality are achieved with support for 8K resolutions and various high-quality audio formats.

For gamers, the ability to display high-resolution graphics at high frame rates is crucial for a smooth and immersive gaming experience. With support for 4K resolution at 120Hz, the BG-8K-88MA can help ensure that your games are displayed with the highest level of detail and fluidity. This is particularly important for fast-paced games where a high frame rate can make a significant difference in your ability to react to in-game events. The 8K HDMI 8x8 matrix switcher's support for 4K at 120Hz can help you get the most out of your favorite games.



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MEDIA & ENTERTAINMENT:
BEST IN MARKET 2024
AWARDS



BEST IN MARKET PRO AV
2024 - SOUND & VIDEO
CONTRACTOR (SVC)



TOP NEW TECHNOLOGY 2023
- CEPRO & COMMERCIAL
INTEGRATOR

Features



8X8 ROUTING

Features 8 x HDMI inputs which can be independently routed to 8 x HDMI outputs



HDCP COMPLIANT

HDMI 2.1a (48Gbps) HDCP 2.3 (and all earlier versions supported)



8K AND 4K@120HZ

Up to 8K@60Hz 4:2:0, 8K@30Hz 4:4:4 and 4K@120Hz 4:4:4 8K to 4K or 8K/4K to 1080p



AUTO SCALING

Down Scaling on all outputs



CONTROL OPTIONS

Control via front panel, IR, RS-232, and TCP/IP (Web GUI)



EDID MANAGEMENT

Seamless scaling for the best results



BG-4K-88MA

8X8 4K UHD HDMI 2.0 MATRIX SWITCHER WITH AUDIO DE-EMBEDDING AND INDEPENDENT ROUTING (4K60 - 4:4:4 AND HDR SUPPORT)

With eight HDMI 2.0 inputs and eight HDMI 2.0 outputs, the BG-4K-88MA 4K HDMI matrix switch allows users to share up to eight HDMI sources with up to eight displays. Perfect for when you need to change multiple sources to show on various displays or even select just one source to show on all displays with the press of a button. Audio can also be independently routed. Professional-grade picture and audio quality are achieved with support for 4K resolutions and various high-quality audio formats.

The BG-4K-88MA supports high resolutions up to 4K@60Hz 4:4:4 with HDR. With 18 Gbps of uncompressed bandwidth, HDMI signals are routed with no loss of quality. All HDMI ports on this matrix are HDCP 2.2 compliant. This device is also equipped with auto-downscaling on all outputs, ensuring compatibility with legacy displays. Additionally, the BG-4K-88MA supports Digital S/PDIF and Balanced audio output formats.

The BG-4K-88MA offers multiple control methods including front panel controls, IR remote control, RS-232, or TCP/IP (Web GUI). The included IR receiver allows the unit to be controlled with the included remote while located out of sight for a clean installation.



Check out this item
on our website

Features



HDCP COMPLIANT

HDMI 2.0 (18Gbps) HDCP 2.2 (and all earlier versions supported)



4K RESOLUTION

Up to 4K@60Hz 4:4:4 HDR support



AUDIO MATRIXING

The audio can be independently routed



CONTROL OPTIONS

Control via front panel, IR, RS-232, and TCP/IP (Web GUI)



EDID MANAGEMENT

Seamless scaling for the best results



HDR SUPPORT

HDR, HDR10, Dolby Vision pass-through



BG-4K-VP88

8X8 4K UHD SEAMLESS HDMI MATRIX SWITCHER/VIDEO WALL PROCESSOR/MULTIVIEWER WITH SCALER/IR/AUDIO/IP AND RS-232

The BG-4K-VP88 supports eight HDMI inputs that can be independently routed to HDMI Outputs. This unit can create video walls, act as a multi-viewer and perform matrix functions! The BG-4K-VP88 supports video wall configurations of up to 7 different modes with each monitor. It can also display eight pictures on the same screen and has multiple split display modes.

With max resolutions up to 4K@60Hz 4:4:4, the BG-4K-VP88 is capable of producing high-quality imagery with pristine detailing and rich color. All HDMI ports on this unit are HDCP 2.2 compliant. This device also supports analog audio extraction, and audio channels can be switched independently.

The BG-4K-VP88 provides various control methods, including front panel controls, IR remote control, RS-232, and IP control. With the included IR receiver, the unit can be controlled using the provided remote even when placed out of sight, ensuring a neat installation.



SVC BEST OF SHOW INFOCOMM
WINNERS 2023



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on our website](#)

Features



8X8 MATRIXING

4x HDMI Inputs that can be independently routed to 4 HDMI Outputs



VIDEO WALL

Supports Video Wall up to 7 different modes with each monitor



MULTIVIEW CAPABILITIES

It can display 8 pictures on the same screen and has multiple split display modes



HDCP COMPLIANT

HDCP 2.2 compliancy ensures copyright protection



CONTROL OPTIONS

Control via panel button, Remote Control, RS232 Control, TCP/IP Control



4K@60HZ

Supports resolution up to 4K@60Hz 4:4:4



BG-UHD-1616M

16X16 4K UHD HDMI MATRIX WITH ADVANCE EDID, AUDIO DE-EMBEDDING, DOWNSCALING AND CEC

Introducing the BG-UHD-1616M, a cutting-edge 4K HDMI matrix switcher that delivers unparalleled control over multiple displays simultaneously. With support for up to 16 sources and 16 HDMI displays, this matrix offers an advanced solution for managing your video and audio needs.

The BG-UHD-1616M supports HDMI 2.0b and HDCP 2.2/1.x, enabling you to enjoy resolutions as high as 4K2K@60Hz (YUV 4:4:4) on all HDMI ports. The maximum video bandwidth of 18Gbps and the ability to downscale 4K video to 1080p ensure that your video quality remains crystal-clear on any display.

In addition, the BG-UHD-1616M supports HDMI audio pass-through up to 7.1 CH HD audio (LPCM, Dolby TrueHD, and DTS-HD Master Audio).

With multiple control options, the BG-UHD-1616M provides a customizable experience for any use case. You can switch inputs using front panel buttons, an IR remote, RS-232, IP commands, or the web interface, or use free BZBGEAR's Switching Control Application on any device.



[Check out this item on our website](#)

Features

4K STUNNING IMAGE QUALITY

Supports resolutions up to 4K@60Hz 4:4:4



16X16 VIDEO MATRIX

View any source on any display



HDCP 2.2

High-Bandwidth Digital Content Protection Supported



HDR

Dolby Vision, HDR10+, and HLG support



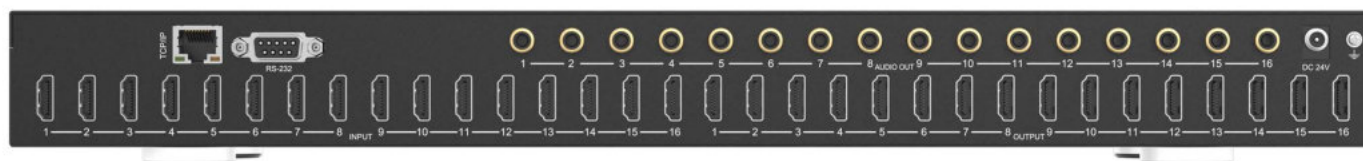
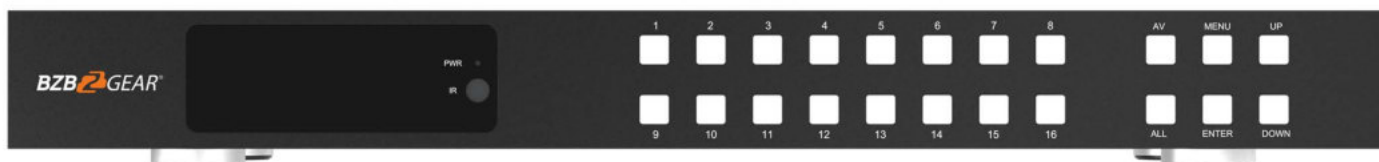
AUDIO EXTRACTION

De-Embed audio using S/PDIF Digital Coax



MULTIPLE CONTROL OPTIONS

Front panel buttons, RS232, IR, CEC, IP, and Web GUI



BG-8K-1616MA

16X16 8K UHD HDMI 2.1 MATRIX SWITCHER WITH AUTO DOWNSCALLING/AUDIO DE-EMBEDDING (8K60/4K120 4:4:4 AND VRR/FVA/ALLM SUPPORT)

The BG-8K-1616MA 8K HDMI matrix switch is an excellent device for situations where you need to share up to sixteen HDMI sources with up to sixteen displays. It comes with sixteen HDMI 2.1a inputs and sixteen HDMI 2.1a outputs, allowing you to switch between multiple sources and display them on various screens at the same time, or select one source and display it on all screens simultaneously with the push of a button. The device supports 8K resolutions and various high-quality audio formats, ensuring professional-grade picture and audio quality.

For gamers, the ability to display high-resolution graphics at high frame rates is crucial for a smooth and immersive gaming experience. With support for 4K resolution at 120Hz, the BG-8K-1616MA can help ensure that your games are displayed with the highest level of detail and fluidity. This is particularly important for fast-paced games where a high frame rate can make a significant difference in your ability to react to in-game events. Whether you're playing competitively or just looking for the most realistic and engaging gaming experience possible, the 8K HDMI 16x16 matrix switcher's support for 4K at 120Hz can help you get the most out of your favorite games.



Check out this item
on our website

Features



16X16 ROUTING

Features 16 x HDMI inputs which can be independently routed to 16 x HDMI outputs



HDCP COMPLIANT

HDMI 2.1a (48Gbps) HDCP 2.3 (and all earlier versions supported)



8K AND 4K@120HZ

Up to 8K@60Hz 4:2:0, 8K@30Hz 4:4:4 and 4K@120Hz 4:4:4 8K to 4K or 8K/4K to 1080p



AUTO SCALING

Down Scaling on all outputs



CONTROL OPTIONS

Control via front panel, IR, RS-232, and TCP/IP (Web GUI)



EDID MANAGEMENT

Seamless scaling for the best results

Multiple-Awards Winner



CE PRO BEST PRODUCT
AWARD 2025 - AV OVER IP
SWITCHERS



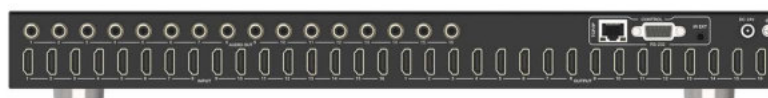
COMMERCIAL INTEGRATOR
BEST AWARDS 2025 -
MATRIX SWITCHERS



TOP NEW TECHNOLOGY (TNT)
AWARD 2025 - CATEGORY:
MATRIX SWITCHERS



BEST OF SHOW AT ISE 2025 -
PUBLICATION:
AV TECHNOLOGY



BG-4K-1616MA

16X16 4K UHD HDMI 2.0 MATRIX SWITCHER WITH AUDIO DE-EMBEDDING AND INDEPENDENT ROUTING (4K60 - 4:4:4 AND HDR SUPPORT)

The BG-4K-1616MA 4K HDMI matrix switcher is designed to manage up to sixteen HDMI 2.0 inputs and sixteen HDMI 2.0 outputs, enabling the seamless distribution of multiple HDMI sources to various displays. Whether you need to switch between multiple sources or display a single source on all screens simultaneously, this matrix switcher offers the flexibility and control you need. Audio can also be independently routed. Experience professional-grade picture and audio quality with support for 4K resolutions and a wide range of high-quality audio formats.

The BG-4K-1616MA supports ultra-high resolutions up to 4K@60Hz 4:4:4 with HDR. With 18 Gbps of uncompressed bandwidth, HDMI signals are routed without any loss of quality. All HDMI ports on this matrix switcher are HDCP 2.2 compliant, ensuring compatibility with modern content protection standards. It also features auto-downscaling on all outputs to ensure compatibility with older displays. Furthermore, the BG-4K-1616MA supports Digital S/PDIF and Balanced audio output formats for versatile audio integration.



Check out this item
on our website

Features



HDCP COMPLIANT

HDMI 2.0 (18Gbps) HDCP 2.2
(backward compatible with earlier versions)



4K RESOLUTION

Supports up to 4K@60Hz 4:4:4 with HDR



AUDIO MATRIXING

The audio can be independently routed



CONTROL OPTIONS

Front panel, IR, RS-232, and TCP/IP
(Web GUI) controls



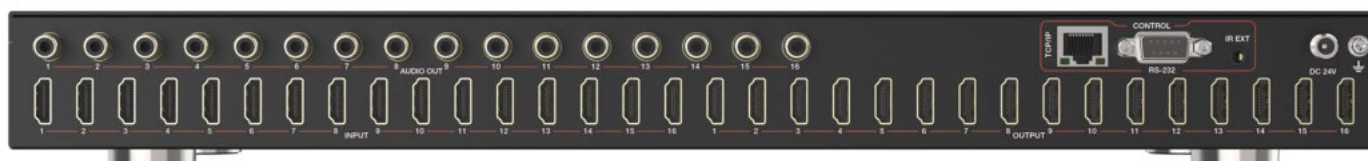
EDID MANAGEMENT

Ensures seamless scaling for optimal display results



HDR SUPPORT

HDR, HDR10, and Dolby Vision pass-through



BG-4K-VP1616

16X16 4K UHD SEAMLESS HDMI MATRIX SWITCHER/VIDEO WALL PROCESSOR/MULTIVIEWER WITH SCALER/IR/AUDIO/IP/RS-232

The BG-4K-VP1616 supports sixteen HDMI inputs that can be independently routed to HDMI Outputs. This unit can create video walls, act as a multi-viewer and perform matrix functions! The BG-4K-VP1616 supports video wall configurations of up to 7 different modes with each monitor. It can also display sixteen pictures on the same screen and has multiple split display modes.

With max resolutions up to 4K@60Hz 4:4:4, the BG-4K-VP1616 is capable of producing high-quality imagery with pristine detailing and rich color. All HDMI ports on this unit are HDCP 2.2 compliant. This device also supports analog audio extraction, and audio channels can be switched independently.

With the included IR receiver, the unit can be controlled using the provided remote even when placed out of sight, ensuring a neat installation. Additionally, users have the option to utilize the BG-SWITCH-CONTROL app, a proprietary matrix switcher control and management application available for Windows, iOS, Mac, and Android platforms. This software empowers you to effortlessly route sources, manage displays, configure image settings, adjust network settings, and more.



Check out this item
on our website

Features



16X16 MATRIXING

16x HDMI Inputs which can be independently routed to 16x HDMI Outputs



VIDEO WALL

Supports multiple video walls at the same time



MULTIVIEW CAPABILITIES

Up to 16 sources can be displayed on each output in different layouts



HDCP COMPLIANT

HDCP 2.2 compliancy ensures copyright protection



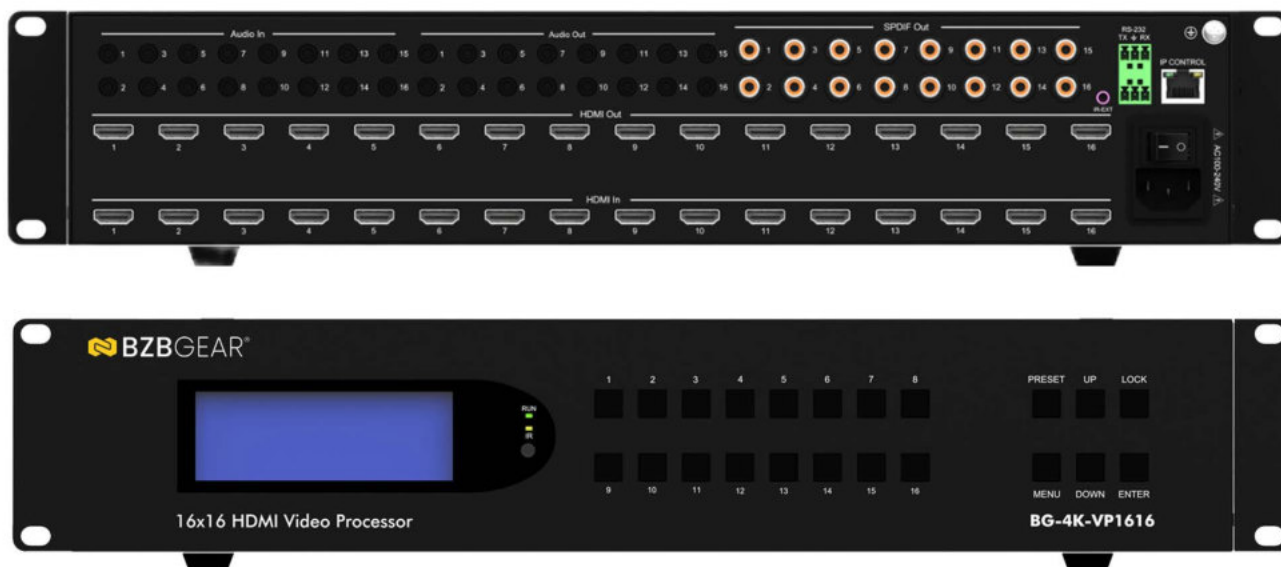
CONTROL OPTIONS

Control via panel button, Remote Control, RS232 Control, TCP/IP Control



4K@60Hz

Supports resolution up to 4K@60Hz 4:4:4



Video Switchers

Long-Range Matrix Kits

BZBGEAR LONG RANGE MATRIX KITS

Long-range HDMI matrix kits centralize video source and display management, transmitting HDMI signals over category cables covering hundreds of feet in range. Ideal for commercial spaces and large homes, these kits simplify complex setups by allowing easy control via front buttons, remote, or third-party systems. With support for up to 4K resolution and built-in EDID management, they deliver crisp, clear video and enhance reliability by preventing issues like flickering and distortion.

Features like auto-scaling ensure compatibility with both modern and legacy devices, while audio de-embedding enables the extraction of audio for external systems. Some models also support HDBaseT for extended HDMI signal transmission over longer distances, offering an all-in-one solution for high-quality video and audio distribution.



4K UHD
SUPPORT



ADVANCED AUDIO
FEATURES



MULTIPLE CONTROL
OPTIONS

BG-UM44-150L-KIT

4X4 4K UHD 18GBPS HDMI MATRIX SWITCHER OVER HDBASET WITH BI-DIRECTIONAL IR/ADVANCE EDID AND DOWNSCALING

Introducing BG-UM44-150L-KIT HDMI Matrix Switcher and Extender - a powerful device that lets you easily connect up to four HDMI sources to an eight displays! With four HDMI outputs mirrored to four HDBaseT outputs, the extender allows you to transmit video signals over longer distances than a standard HDMI cable. For instance, with 1080p resolution, the signal can travel up to 492ft / 150m, and 394ft / 120m at 4K, giving you plenty of flexibility when it comes to your setup.

This matrix is packed with features that ensure an exceptional viewing experience. It supports a maximum resolution of 4K@60Hz (YUV 4:4:4) on all HDMI and HDBaseT ports and has a maximum bandwidth of 18Gbps, guaranteeing a pure signal transfer for maximum image quality. The device also utilizes HDMI 2.0b and HDCP 2.2 / HDCP 1.x compliant. The device's HDMI audio pass-through capability enables you to handle high-quality sound up to 7.1 CH HD audio. With support for various audio codecs, including LPCM, Dolby TrueHD, and DTS-HD Master Audio, you can rest assured that your audio will be as crisp and clear as your video.



Check out this item
on our website

Features



CRYSTAL CLEAR IMAGES

Supports resolutions up to 4K@60Hz 4:4:4



HDCP 2.2

High-Bandwidth Digital Content Protection Supported



4X4 VIDEO MATRIX

View Any Source on Any Display



HDBASET

Extend 4K signals up to 394 feet (120m)



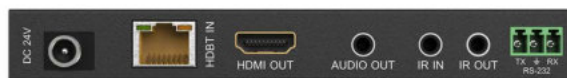
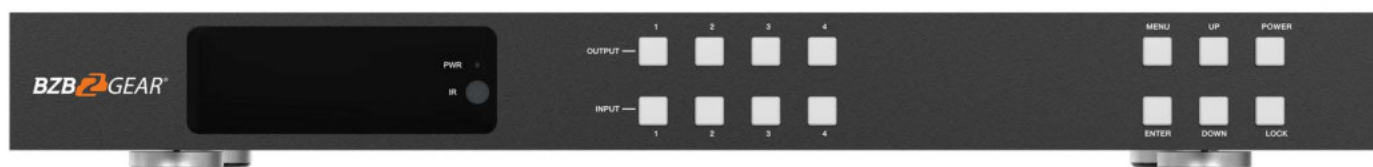
MULTIPLE CONTROL OPTIONS

Front panel buttons, RS232, IR, CEC, IP, and Web GUI



HDR

Dolby Vision, HDR10+, and HLG support



BG-UM44-100M-KIT

4X4 4K UHD HDMI/AUDIO MATRIX SWITCHER OVER HDBASET WITH 2-WAY IR/ARC/ETHERNET/IP AND RS-232 CONTROL

The BG-UM44-100M-KIT is a four input 4K HDMI matrix with four HDBaseT outputs. With Ethernet passthrough for all receivers, bi-directional IR passthrough, and full audio matrix functionality, this powerful switcher provides system-wide routing, control, and management from a single centralized unit.

HDBaseT technology allows an uncompressed HDMI signal to be transmitted over a category 6 cable at distances up to 100 meters (328 feet). When combined with the four mirrored HDMI outputs, this allows the BG-UM44-100M-KIT to send 4K@60Hz 4:4:4 video to eight displays.

The BG-UM44-100M-KIT supports resolutions up to 4K@60Hz 4:4:4. The HDMI 2.0 ports are HDCP 2.2 compliant and transmit video at speeds up to 18Gbps while supporting Dolby Vision, HDR10+, and HLG formats. Each output performs 4K to 1080p downscaling and supports ARC (Audio Return Channel).



Check out this item
on our website

Features



CRYSTAL CLEAR IMAGES

Supports resolutions up to 4K@60Hz 4:4:4



HDCP 2.2

High-Bandwidth Digital Content Protection Supported



EXTREME RANGE

Extend 4K signals up to 330 feet (100 meters) with included receivers



AUDIO MATRIX

Each output features de-embedded digital coax and analog outputs



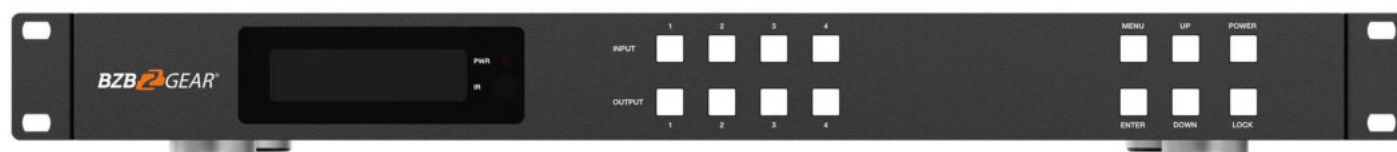
AUTO-SCALING

Each output features 4K to 1080P down-scaling



MULTIPLE CONTROL OPTIONS

Front panel buttons, RS232, IR, CEC, and TCP/IP (Web GUI)



BG-4K-VP44PRO

4x4 4K UHD SEAMLESS HDMI MATRIX SWITCHER/VIDEO WALL PROCESSOR/MULTIVIEWER OVER CAT5E/6/7 KIT WITH 4 RECEIVERS

Introducing the BG-4K-VP44PRO: Your Ultimate 4x4 HDMI 2.0 CAT5/6/7 Seamless Matrix. Experience the next level of video distribution with the BG-4K-VP44PRO, a versatile all-in-one solution that's redefining the audiovisual landscape. Packed with advanced features like video wall and multi-view modes, this device unleashes a new era of flexibility, empowering your audiovisual setup with unmatched signal extension capabilities for even the most expansive spaces. Its sophisticated audio matrixing ensures crystal-clear sound, while the Power over Cable (PoC) functionality eliminates cable clutter, streamlining your setup and providing a cleaner, more efficient solution. Upgrade your AV setup today with the BG-4K-VP44PRO and elevate your entertainment experience to new heights.



Check out this item
on our website

Features



SIGNAL EXTENSION

Extent your HDMI signals up to 70m (229ft) over CAT5



AUDIO MATRIXING

Analog audio embedded & extraction - the audio can be independently routed



POC

Power over Cable enables devices to be powered and centralized via a single cable connection



MULTIVIEW MODE

Display 4 different sources on the same screen



VIDEO WALL MODE

Supports up to a 2X2 video wall - Up to 7 different modes built-in and supports cascading



4K UHD

Support for 4K@60Hz 4:4:4 8-bit, HDCP 2.2



BG-UM88-150L-KIT

8X8 4K UHD 18Gbps HDMI MATRIX SWITCHER OVER HDBASET WITH BI-DIRECTIONAL IR/ADVANCE EDID AND DOWNSCALING

Introducing BG-UM88-150L-KIT HDMI Matrix Switcher and Extender - a powerful device that lets you easily connect up to eight HDMI sources to 16 displays! With eight HDMI outputs mirrored to four HDBaseT outputs, the extender allows you to transmit video signals over longer distances than a standard HDMI cable. For instance, with 1080p resolution, the signal can travel up to 492ft / 150m, and 394ft / 120m at 4K, giving you plenty of flexibility when it comes to your setup.

This matrix is packed with features that ensure an exceptional viewing experience. It supports a maximum resolution of 4K@60Hz (YUV 4:4:4) on all HDMI and HDBaseT ports and has a maximum bandwidth of 18Gbps, guaranteeing a pure signal transfer for maximum image quality. The device also utilizes HDMI 2.0b and HDCP 2.2 / HDCP 1.x compliant. The device's HDMI audio pass-through capability enables you to handle high-quality sound up to 7.1 CH HD audio. With support for various audio codecs, including LPCM, Dolby TrueHD, and DTS-HD Master Audio, you can rest assured that your audio will be as crisp and clear as your video.



Check out this item
on our website

Features



CRYSTAL CLEAR IMAGES

Supports resolutions up to 4K@60Hz 4:4:4



HDCP 2.2

High-Bandwidth Digital Content Protection Supported



8X8 VIDEO MATRIX

View Any Source on Any Display



HDBASET

Extend 4K signals up to 394 feet (120m)



MULTIPLE CONTROL OPTIONS

Front panel buttons, RS232, IR, CEC, IP, and Web GUI



HDR

Dolby Vision, HDR10+, and HLG support



BG-UM88-100M-KIT

8X8 4K UHD HDMI/AUDIO MATRIX SWITCHER OVER HDBASET
WITH 2-WAY IR/ARC/ETHERNET/IP AND RS-232 CONTROL

The BG-UM88-100M-KIT is an eight input 4K HDMI matrix with eight HDBaseT outputs. With Ethernet passthrough for all receivers, bi-directional IR passthrough, and full audio matrix functionality, this powerful switcher provides system-wide routing, control, and management from a single centralized unit.

HDBaseT technology allows an uncompressed HDMI signal to be transmitted over a category 6 cable at distances up to 100 meters (328 feet). When combined with the eight mirrored HDMI outputs, this allows the BG-UM88-100M-KIT to send 4K@60Hz 4:4:4 video to sixteen displays.

The BG-UM88-100M-KIT can be operated via the front panel menu, IR remote control, RS-232, or a detailed web interface. Bi-directional IR control is supported along with full IR matrix functionality. Smart EDID management via the front panel menu and web interface eliminate HDMI handshake issues for fast and reliable input switching.



Check out this item
on our website

Features

4K STUNNING IMAGE QUALITY
Supports resolutions up to
4K@60Hz 4:4:4

HDCP 2.2
High-Bandwidth Digital Content
Protection Supported

HDR
Rich colors with Dolby Vision, HDR,
HDR10+, and HLG support

EXTREME RANGE
Transmit 4K video up to 328ft via a
single CAT 5E/6/7 cable

**MULTIPLE CONTROL
OPTIONS**
Take control using Bi-Directional IR,
physical buttons, RS232, TCP/IP, or
Web interface

ANY SOURCE ANY DISPLAY
Broadcast any of the 8 inputs to any
of the 8 mirrored HDMI/HDBaseT
outputs simultaneously



BG-4K-VP99PRO

9x9 4K UHD SEAMLESS HDMI MATRIX SWITCHER/VIDEO WALL PROCESSOR/MULTIVIEWER OVER CAT5E/6/7 KIT WITH 8 RECEIVERS

Introducing the BG-4K-VP99PRO 9x9 HDMI 2.0 over CAT5/6/7 matrix switcher with 3x3 Video Wall and 9 source multiview capabilities. Experience the pinnacle of versatility and cutting-edge technology with this advanced HDMI matrix switcher, perfect for a wide range of professional AV installations.

The BG-4K-VP99PRO offers an impressive array of connectivity options to cater to your diverse needs. With 9 HDMI inputs, 9 HDMI loop outs, 9 HDMI outputs, and 9 DSC outputs featuring Power over Cable (POC) support, seamless integration with multiple sources, displays, and audio systems is guaranteed. Additionally, for large-scale AV projects and installations, all HDMI sources can be extended up to 70m(229ft) over CAT5/6/7.

Delivering stunning visuals with exceptional clarity and color reproduction, the BG-4K-VP99PRO supports resolutions up to 4K60Hz 4:4:4. Its impressive bandwidth of 18Gbps ensures the smooth transmission of high-quality content.



SCN 2025 - PRO AV
BEST IN MARKET
WINNER



BEST MATRIX SWITCHER -
COMMERCIAL INTEGRATOR
2023 BEST AWARDS



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Features



SIGNAL EXTENSION

Extent your HDMI signals up to 70m (229ft) over CAT5



AUDIO MATRIXING

Analog audio embedded & extraction - the audio can be independently routed



POC

Power over Cable enables devices to be powered and centralized via a single cable connection



MULTIVIEW MODE

Display 9 different sources on the same screen



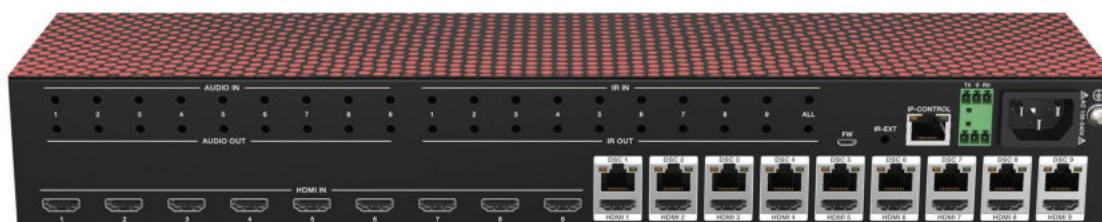
VIDEO WALL MODE

Supports up to a 3x3 video wall - supports cascading



4K UHD

Supports resolution up to 4K@60Hz 4:4:4



BG-4K-VP1616PRO

16X16 4K UHD SEAMLESS HDMI MATRIX SWITCHER/VIDEO WALL PROCESSOR/MULTIVIEWER OVER CAT5/E6/7 KIT WITH 16 RECEIVERS

The BG-4K-VP1616PRO supports sixteen HDMI inputs that can be independently routed to HDMI or LAN Outputs. This unit can create video walls, act as a multi-viewer and perform matrix functions! The BG-4K-VP1616PRO supports video wall configurations of up to 7 different modes with each monitor. It can also display sixteen pictures on the same screen and has multiple split display modes.

With max resolutions up to 4K@60Hz 4:4:4, the BG-4K-VP1616PRO is capable of producing high-quality imagery with pristine detailing and rich color. All HDMI ports on this unit are HDCP 2.2 compliant. This device also supports analog audio extraction, and audio channels can be switched independently.

With the included IR receiver, the unit can be controlled using the provided remote even when placed out of sight, ensuring a neat installation. Additionally, users have the option to utilize the BG-SWITCH-CONTROL app, a proprietary matrix switcher control and management application available for Windows, iOS, Mac, and Android platforms. This software empowers you to effortlessly route sources, manage displays, configure image settings, adjust network settings, and more.



x16 Receivers



BEST MATRIX SWITCHER - 2024
COMMERCIAL INTEGRATOR
BEST AWARDS WINNER



SVC INNOVATIVE PRODUCTS:
READERS' CHOICE 2024



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Features



16X16 MATRIXING

16x HDMI Inputs which can be independently routed to 16x HDMI Outputs



VIDEO WALL

Supports multiple video walls at the same time



MULTIVIEW CAPABILITIES

Up to 16 sources can be displayed on each output in different layouts



HDCP COMPLIANT

HDCP 2.2 compliancy ensures copyright protection



CONTROL OPTIONS

Control via panel button, Remote Control, RS232 Control, TCP/IP Control



4K@60Hz

Supports resolution up to 4K@60Hz 4:4:4



Video Switchers

Presentation Switchers

BZBGEAR PRESENTATION SWITCHERS

BZBGEAR Presentation switchers are vital tools in modern conference AV systems, designed to manage multiple input sources like computers, cameras, and other devices, routing them to one or more displays. They are commonly used in classrooms, conference rooms, and auditoriums, where seamless transitions between sources are essential for smooth, professional presentations. BZBGEAR presentation switchers stand out with features like software control for advanced configuration, wireless connectivity via Airplay and Miracast, auto-scaling for compatibility with legacy devices, and audio de-embedding for superior sound integration.

When selecting a presentation switcher, key features to consider include true HDMI support for high-quality video and audio, scaling to adjust input resolutions, and auto-switching for effortless operation. Options like multi-format support and 4K resolution compatibility offer versatility for various content sources and high-resolution displays. Overall, presentation switchers enhance professionalism, flexibility, and collaboration, making them indispensable in dynamic AV environments.



4K UHD
SUPPORT



WIRELESS
OPTIONS



AUDIO INTEGRATION
SUPPORT

BG-CONNEXIO

4K UHD WIRELESS BYOD CONFERENCE ROOM PRESENTATION COLLABORATION SOLUTION WITH AIRPLAY/ MIRACAST/CHROMECAST SUPPORT

BG-Connexio is a revolutionary wireless conference product that was specifically designed to meet the needs of today's hybrid workforce. It allows for seamless local presentations as well as collaborations with remote participants by connecting the room camera, microphone, speakers, and display with the attendees' own laptops wirelessly.

This powerful device supports wireless connectivity standards such as Miracast, Chromecast and Airplay, so you can connect to any device you prefer, whether it's a laptop, smartphone or tablet. The device also supports multiple simultaneous connections, so multiple participants can share their screens in the same meeting.

With BG-Connexio, you can control the room A/V system from your personal device, allowing you to adjust the volume, change the source, or even control the camera and microphone as needed.



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Features



BYOD

No cables are required for participants



WIRELESS CONNECTION

Between your laptop and room USB peripherals like a camera, mic, and speakers for easy video conferencing



DATA SECURITY

Best-in-class data security with dual network and high-standard encryption



POE

Provide power and a connection with a single-category cable



INTERACTIVE

Supports whiteboard and annotation



CENTRALIZED MANAGEMENT

Central management platform available



BG-PS21-4K

2-PORT 4K UHD KVM PRESENTATION SWITCHER WITH HDMI/USB-C INPUTS AND HDMI OUTPUT

Built for flexible digital presentations, the BG-PS21-4K is a KVM switcher that enables two devices to be connected to the same display at output resolutions of up to 4K@60Hz. Thanks to its USB-A ports, users can control two connected devices with one mouse and keyboard. These USB peripherals can be shared between the HDMI/Host connections and the USB-C connection. The device will also automatically switch inputs when a signal is detected via HDMI.

With the ability to de-embed audio and support for audio formats such as LPCM 7.1 audio, Dolby Digital® Plus, and DTS-HD® Master Audio™, you'll be able to capture crystal clear audio from your presentations.

Using the two USB 3.0/2.0 type-A ports, peripherals like mice and keyboards can be connected to control active content. The unit itself can be controlled via front panel buttons of the RS-232 interface. A 4-pin DIP switch is also provided for EDID settings. A balanced audio output is also included for audio de-embedding.



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Features

4K HIGH RESOLUTION INPUTS
Input Resolutions Up To 4K2K@60Hz

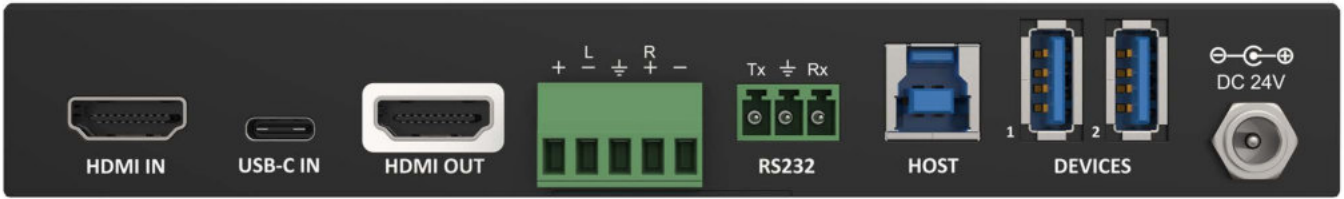
PLUG AND PLAY
Easy To Install And Use

MULTICHANNEL AUDIO SUPPORTED
LPCM 7.1, Dolby Atmos®, TrueHD, Digital® Plus, DTS: X™, And DTS-HD® Master Audio™ Pass-Through

EDID
Eliminates Connection Issues

AUTO-SWITCHING
Automatically Selects Input When Change In Signal Is Detected

HDCP 2.2
High-Bandwidth Digital Content Protection Creates A Secure Source To Display Connection



BG-UHM

3-PORT 4K UHD USB/HDMI CAMERA VIDEO SELECTOR AND MIXER

The BG-UHM USB/HDMI Video Selector and Mixer is a versatile and feature-rich solution designed to meet the demands of modern video production environments. Engineered for seamless integration, this compact device allows users to connect, switch, and mix multiple video sources effortlessly, offering unparalleled flexibility and functionality in a single unit.

The BG-UHM supports up to three video sources, including USB 3.0, USB 2.0, and HDMI inputs, enabling users to integrate diverse devices like webcams, laptops, and document cameras. With its customizable video mixing options, the BG-UHM delivers professional-quality results, allowing users to create unique layouts such as Picture-in-Picture (PiP), side-by-side, and big and small overlays. These layouts can be easily configured through a user-friendly web interface, making the device suitable for both novice and experienced users.



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Features



MULTI-SOURCE CONNECTIVITY

1x USB 3.0, 1x USB 2.0, 1x HDMI 1.4



CUSTOMIZABLE VIDEO MIXING

Blend up to two input sources into a single output with layouts such as Picture-in-Picture (PiP), side-by-side, and overlay options. Layouts are fully configurable via the intuitive web interface



OUTPUT FLEXIBILITY

1x HDMI 2.0 output, 1x USB-C (UVC/UAC) output



AUDIO MANAGEMENT

Integrated audio mixing with inputs via HDMI, USB, and analog jacks. Mute video/audio streams as needed for precise control over live broadcasts



ADVANCED CONTROL OPTIONS

Manage the device via LAN, RS-232, or the web-based GUI for ultimate flexibility.



PoE SUPPORT

Power the device via PoE (802.3af), reducing cable clutter and simplifying installation



BG-PSC6X2-4K

6X2 4K UHD CONFERENCE ROOM PRESENTATION SWITCHER SCALER WITH HDMI/VGA/USB-C/DP & AUDIO

The BG-PSC6X2-4K multi-function 4K@60Hz presentation switcher provides users with a variety of inputs, allowing numerous devices to be displayed on a 4K HDMI display. The powerful integrated scaler allows resolutions as low as 640 x 480 to be displayed in multiple aspect ratios at resolutions up to 4096x2160@60Hz 4:4:4.

Featuring audio embedding, de-embedding, and a MIC level input, the BG-PSC6X2-4K is an effective solution for use in auditoriums, classrooms, and conference rooms.

The BG-PSC6X2-4K is equipped with six inputs including three 18 Gbps HDMI 2.0, one DisplayPort, one USB-C, and one VGA. The VGA input is paired with a 3.5mm audio input. A three-way selectable input with phantom power allows users to connect microphones or line input sources for audio embedding. Two mirrored HDMI outputs provide connections for dual displays. Equipped with one digital coax and one RCA line output, the BG-PSC6X2-4K provides audio de-embedding for connection to external audio systems.



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Features



STUNNING IMAGE QUALITY

Supports Resolutions up to 4K@60
4:4:4



MICROPHONE INPUT

48V phantom power



MULTIPLE CONTROL OPTIONS

Front panel, IR, RS-232, TCP/IP



AUDIO SUPPORT

Embed or De-Embed audio signals



MULTIPLE INPUTS

3xHDMI, 1xVGA w/audio, 1xUSB-C,
1xDisplayPort



MULTI-DISPLAY SUPPORT

2x HDMI mirrored outputs



BG-PSC7X2

7X2 4K UHD PRESENTATION SWITCHER SCALER WITH HDMI/ VGA/COMPONENT/COMPOSITE VIDEO & AUDIO

The BG-PSC7X2 multi-function presentation switcher provides users with a variety of inputs, allowing numerous devices to be displayed on a single HDMI display. Supporting input signals up to 4K@30Hz, this unit is also equipped with an integrated scaler which allows resolutions as low as 640 x 480 to be scaled up to 1920x1080@60Hz.

The powerful dual-switcher mode allows the BG-PSC7X2 to simultaneously function as a 4x1 4K HDMI switcher and a 7x1 1080P multi-format switcher. Featuring audio embedding, de-embedding, and supporting variety of input connections, this unit is an effective solution for use in auditoriums, classrooms, and conference rooms.

The BG-PSC7X2 is equipped with seven inputs including four HDMI, one VGA, one component (YPbPr), and one composite A/V. The VGA input is paired with a 3.5mm audio input. Two mirrored HDMI outputs provide connections for dual displays. Equipped with one digital coax and one RCA line output, the BG-PSC7X2 provides audio de-embedding for connection to external audio systems. The digital bypass circuit allows 4K@30Hz 4:4:4 sources to be displayed.



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Features



LEGACY INPUT DEVICE SUPPORT

4x HDMI, 1x VGA with audio, 1xYPbPr (Component) and 1x Composite RCA



MULTI-DISPLAY SUPPORT

2x HDMI mirrored outputs



MULTIPLE CONTROL OPTIONS

Front panel, IR, RS-232, TCP/IP



AUDIO SUPPORT

Embed via 3.5mm line in or de-embed audio signals Coaxial S/PDIF or 3.5mm



CRYSTAL CLEAR IMAGES

Supports image resolutions up to 4K2K@30Hz 4:4:4



LCD DISPLAY

LCD to easily view system status at a glance



BG-PSC11X2-HDBT

11X2 4K UHD PRESENTATION SCALER SWITCHER W/VGA/
HDMI/YPBPR/CV/HDBASET INPUT AND OUTPUT

The BG-PSC11X2-HDBT is an eleven input multi-format video presentation switcher with two HDMI outputs. This versatile switcher supports resolutions up to 4K@30Hz and is designed for use in control centers, auditoriums, and other situations requiring both current and legacy devices to be connected to 4K displays.

With HDBaseT inputs and outputs, the BG-PSC11X2-HDBT can connect to distant sources and displays. The integrated scaler can take resolutions as low as 640x480 and convert them to 1920x1080@60Hz for compatibility with modern displays.

The BG-PSC11X2-HDBT has eleven video inputs, including four HDMI, one HDBaseT, four VGA, one component (YPbPr), and one composite AV. All inputs are paired with 3.5mm stereo audio inputs. Outputs include one HDMI, one HDBaseT, one digital coax, and one 3.5mm stereo audio.



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Features



4K SUPPORT

Transmit resolutions up to
4K@30Hz



HDBASET

1x input, 1x output, transmits up to
330ft/100m over Cat6



11 INPUTS

4x HDMI, 4x VGA, 1x Component, 1x
Composite, 1x HDBaseT



MULTIPLE CONTROL OPTIONS

Controllable via front panel, IR, TCP/
IP or RS-232



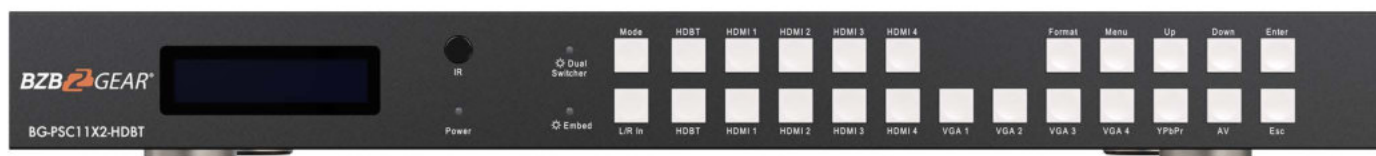
AUDIO EMBEDDING/ EXTRACTING

Output audio via analog or S/PDIF
connections



SCALING

Able to scale from 640x480 to
1920x1080@60Hz



Video Switchers

Production Switchers

BZBGEAR PRODUCTION SWITCHERS

The BG-QuadFusion series includes two powerful video switchers, the BG-QuadFusion-4K and BG-QuadFusion-JR, designed for professional live streaming, broadcasting, and content creation. Both models offer advanced video and audio processing, featuring multiple video inputs, seamless transitions, and real-time streaming capabilities.

The BG-QuadFusion-4K supports 4K UHD resolution with multiple HDMI and DisplayPort inputs, providing high-quality video mixing, chroma and luma keying, PIP functionality, and recording features, making it suitable for large-scale events and studio productions. Meanwhile, the BG-QuadFusion-JR offers a more compact, budget-friendly solution with 1080p video mixing, ideal for smaller setups or mobile applications, while still delivering robust features like multi-format video input, keying effects, and USB streaming.

Both models are built with durable metal alloy casing, ensuring reliability in demanding environments. With intuitive controls, USB streaming, and versatile audio and video management, the BG-QuadFusion series provides an all-in-one solution for users looking to enhance their live production workflows, whether in large-scale broadcasts or smaller, portable setups.



FHD TO 4K UHD
SUPPORT



SOFTWARE
CONTROLLABLE



INTEGRATED
CAPTURE CARD

BG-QUADFUSION-JR

4-CHANNEL 1080P FHD LIVE STREAMING HDMI/DP SWITCHER MIXER WITH PIP AND USB 3.0 CAPTURE CARD

Introducing the BG-QuadFusion-JR: Your Ultimate 1080p FHD Video Switcher Solution. Seamlessly integrating 3 HDMI inputs and 1 dual HDMI/DP input, this cutting-edge switcher redefines video content management for broadcast and TV. Elevate production quality, streamline setup, and embrace the future of visual communication with features including effortless source transition, intuitive control, support for 1080P@60Hz, USB 3.0 capture, SD card slot, versatile effects, durable mobility, immersive audio, and professional-grade quality.

The BG-QuadFusion-Jr introduces a new level of versatility to your AV setup. By incorporating 3 dedicated HDMI inputs and 1 dual HDMI/DP port, managing multiple video sources becomes effortless and tangle-free. Transition seamlessly between various sources, ensuring smooth content flow without interruptions.

From 4 HDMI and 1 DP input to the multiview output and PGM output, every facet of your visual narrative receives a boost. With provision for LUMA key, CHROMA key, and color bar output, you're armed to narrate your story in the most impactful manner possible.



[Check out this item on our website](#)

Features



HDMI ENCODER & DP DECODER

Effortlessly handle multiple video sources



SPECIAL EFFECTS

Unlock your creative potential with inbuilt effects



CONTROL OPTIONS

Enjoy the convenience of a RJ45 remote, backlit buttons, and knobs for precise adjustments



IMMERSIVE AUDIO

Harness 2-CH MIC inputs and LINE OUT for enriching soundscapes



1080P EXCELLENCE

Present your content in stunning, clear 1080p resolution



DURABILITY IN MOTION

Crafted from high-strength aluminum alloy for lasting, portable use



BG-QUADFUSION-4K

4-CHANNEL 4K UHD LIVE STREAMING HDMI/DP SWITCHER MIXER WITH PIP AND USB 3.0 CAPTURE CARD

Introducing the BG-QuadFusion-4K: A Feature Packed 4K UHD 4-CH Video Production Switcher. The BG-QuadFusion-4K is a versatile video production switcher designed for professional broadcast and TV stations. This switcher offers comprehensive control options, including keyboard-based special effects and transitions, intuitive menu display functions, and a camera joystick for precise camera control. It supports up to 4-CH HDMI/DP (DisplayPort) inputs 4K60 signals, making it ideal for a wide range of live broadcasting applications, including sports events, concerts, and studio recordings.

The BG-QuadFusion-4K is built for both studio and on-location use, making it suitable for live performances, course recordings, and studio guidance. Its advanced functions include multi-format video input, audio embedding, audio mixing, an SD card slot, USB 3.0 streaming, keying effects, RS422 control, and more, all accessible through user-friendly operation.

The switcher allows control of up to 4 cameras and is particularly well-suited for large-scale events like sports broadcasts and concerts. Its robust construction, featuring metal aluminum alloy, ensures durability, while its ultra-thin design facilitates transportation and maintenance.



[Check out this item on our website](#)

Features



HDMI ENCODER & DP DECODER

Effortlessly manage multiple video sources



SPECIAL EFFECTS

Unlock creative potential with built-in effects



CONTROL OPTIONS

Convenient RJ45 remote, backlit buttons, and knobs for precise adjustments



IMMERSIVE AUDIO

2-CH MIC inputs, LINE OUT for rich soundscapes



4K SUPPORT

Present content in stunning, clear 4K resolution



DURABLE MOBILITY

High-strength aluminum alloy for lasting, portable use



Video Switchers

HDMI/USB Mixers

BZBGEAR HDMI/USB MIXER

A BZBGEAR USB/HDMI Video Selector and Mixer is a compact, versatile solution for modern video production, allowing users to connect, switch, and mix up to three video sources, including USB 3.0, USB 2.0, and HDMI. It supports a variety of devices like webcams, laptops, and document cameras.

Key features include customizable video mixing for layouts like Picture-in-Picture (PiP), side-by-side, and overlays, all easily configured via a user-friendly web interface. The device offers flexible output options, including HDMI 2.0 and USB-C (UVC/UAC). It also includes integrated audio mixing and control over video/audio streams, with advanced management options through LAN, RS-232, or the web interface. Additionally, the BG-UHM supports Power over Ethernet (PoE) for simplified installation by reducing cable clutter.



CUSTOMIZABLE
USB/HDMI MIXING



POE SUPPORT



ADVANCED AUDIO
MANAGEMENT

BG-UHM

3-PORT 4K UHD USB/HDMI CAMERA VIDEO SELECTOR AND MIXER

The BG-UHM USB/HDMI Video Selector and Mixer is a versatile and feature-rich solution designed to meet the demands of modern video production environments. Engineered for seamless integration, this compact device allows users to connect, switch, and mix multiple video sources effortlessly, offering unparalleled flexibility and functionality in a single unit.

The BG-UHM supports up to three video sources, including USB 3.0, USB 2.0, and HDMI inputs, enabling users to integrate diverse devices like webcams, laptops, and document cameras. With its customizable video mixing options, the BG-UHM delivers professional-quality results, allowing users to create unique layouts such as Picture-in-Picture (PiP), side-by-side, and big and small overlays. These layouts can be easily configured through a user-friendly web interface, making the device suitable for both novice and experienced users.



Check out this item
on our website

Features



MULTI-SOURCE CONNECTIVITY

1x USB 3.0, 1x USB 2.0, 1x HDMI 1.4



CUSTOMIZABLE VIDEO MIXING

Blend up to two input sources into a single output with layouts such as Picture-in-Picture (PiP), side-by-side, and overlay options. Layouts are fully configurable via the intuitive web interface



OUTPUT FLEXIBILITY

1x HDMI 2.0 output, 1x USB-C (UVC/UAC) output



AUDIO MANAGEMENT

Integrated audio mixing with inputs via HDMI, USB, and analog jacks. Mute video/audio streams as needed for precise control over live broadcasts



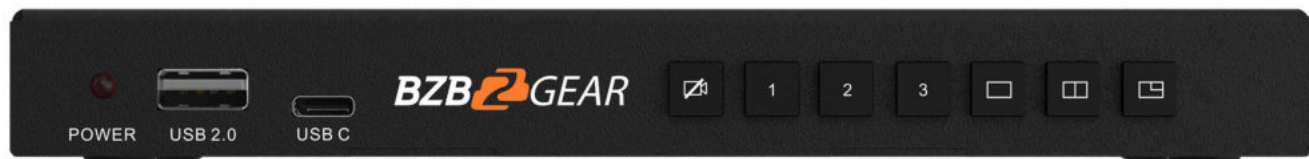
ADVANCED CONTROL OPTIONS

Manage the device via LAN, RS-232, or the web-based GUI for ultimate flexibility.



PoE SUPPORT

Power the device via PoE (802.3af), reducing cable clutter and simplifying installation



BG-UHD-QVP-4X2

4X2 4K UHD SEAMLESS SWITCHER/SCALER/MULTIVIEWER
WITH AUDIO DE-EMBEDDING AND BUILT-IN USB CAPTURE
CARD



The BG-UHD-QVP-4X2 is a powerful video processor that provides users with flexible and cost-effective solutions for routing ultra-high definition video from any of the four UHD HDMI sources to two remote displays simultaneously. With 4K2K@60 4:4:4 video resolution, this video processor delivers top-notch video quality with rich, vivid colors and crisp images.

One of the most impressive features of the BG-UHD-QVP-4X2 is its built-in USB 3.0 capture & auto scaling down features that allow users to record video or broadcast up to 1080p video & 2ch audio through real-time software such as Skype or Zoom.

With adjustable size & position of the image, the BG-UHD-QVP-4X2 provides users with complete control over how their content is displayed. Additionally, the processor supports PIP, PBP, POP, full screen & quad-view display, allowing users to create dynamic layouts and presentations that capture their audience's attention. The BG-UHD-QVP-4X2 also supports titles, borders, and colored backgrounds, which can be used to enhance the presentation's visual appeal.



Check out this item
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Features



HIGH RESOLUTION INPUTS

Input Up To 4K@30Hz 4:4:4 Chroma



SEAMLESS SWITCHING

Quick And Easy Source Switching



CONTROL OPTIONS

IR remote, RS-232, Web GUI, or
Front Panel Buttons



USB CAPTURE

Convert HDMI Sources And Output
Via USB 3.0 At Up To 1080p@60Hz



LOOP OUT

UVC1.0 Monitor Output



AUDIO OUTPUT

Extract Audio From Current HDMI
Input



Video Switchers

Video Wall Processors & Switchers

BZBGEAR VIDEO WALL PROCESSORS & SWITCHERS

BZBGEAR Modular Video Walls and Switchers deliver exceptional flexibility for pro-AV environments. Built on a modular card architecture, these systems support pluggable HDMI, SDI, HDBaseT, fiber, and other I/O modules – allowing you to tailor each installation to your exact requirements. Their scalable design can range from 8×8 to 36×36 and beyond, making them ideal for everything from corporate boardrooms to large-scale command centers.

Experience seamless video switching, advanced video wall processing, and integrated audio support, all managed via front-panel controls, IR, RS-232, software, or an intuitive Web GUI. This category is engineered to streamline complex routing while delivering professional-grade performance in any environment.

Start building your ideal system today with BZBGEAR.



SCALABLE I/O
DESIGNS



VARIOUS I/O
INTERFACES



FLEXIBLE CONTROL
METHODS

BG-MC-SERIES

8X8/16X16/36X36 MODULAR AND FULLY CONFIGURABLE SEAMLESS 4K60 MATRIX SWITCHER WITH VIDEO WALL AND INCLUDED CONTROL SYSTEM

The BG-MC-SERIES Modular Seamless Switching Matrix is a professional-grade AV solution engineered for demanding signal management environments. Supporting up to 8-36 inputs and outputs, it delivers powerful, real-time switching, distribution, and control with zero latency or signal degradation. Designed for mission-critical installations, this all-in-one system integrates a high-performance video wall processor, seamless switching technology, and intelligent control capabilities. Whether deployed in control rooms, broadcasting studios, corporate AV systems, or large-scale video walls, the BG-MC-SERIES ensures pristine 4K60 (4:4:4) image quality and uncompromised reliability across every connected display.

With its modular, pluggable architecture, the BG-MC-SERIES provides unmatched scalability and flexibility. Input and output modules are available for HDMI, DVI-U, VGA, SDI, HDBaseT, and fiber interfaces—each offering four channels per card.



[Check out this item on our website](#)

Features



SEAMLESS 4K SWITCHING

Zero-latency transitions between sources with no tearing or black screens



MODULAR CARD ARCHITECTURE

Pluggable input/output modules for HDMI, SDI, HDBaseT, fiber, and more



ULTRA-LOW LATENCY GEN-LOCK

Synchronizes outputs for precise video wall splicing



SCALABLE DESIGN

Expandable from 8x8 up to 36x36 configurations for flexible installations



COMPREHENSIVE CONTROL OPTIONS

Operate via front panel, RS-232, LAN, IR, Web GUI, or PC software



INTEGRATED VIDEO WALL PROCESSOR

Supports advanced multi-screen layouts with perfect synchronization

BG-MC-88M



BG-MC-1616M



BG-MC-3636M



BG-MC-CONTROL



BG-MC-IN-FIBER-4K



BG-MC-IN-HDMI-4K



BG-MC-IN-HDBT150-4K



BG-MC-IN-SDI-4K



BG-MC-OUT-HDBT100-4K



BG-MC-OUT-HDBT70-4K



BG-MC-OUT-VGA-2K



BG-MC-OUT-DVIU-2K



Video Wall Processors

CUTTING EDGE VIDEO WALL PROCESSORS

BZBGear Video wall processors allow users to create high-quality large-scale video wall arrangements for a variety of applications. Large-format displays can be expensive and ineffective in the long run. Combining several smaller displays with a video wall processor can create an even larger display for less! Additionally, combining multiple smaller displays will allow the user to maintain image quality due to the greater pixel density per unit.

Managing and monitoring BZBGear video wall processors is made easy with our dedicated software which gives users instant access to important settings like display grouping, layouts, and bezel correction. This software is free to download and free to use. Furthermore, you can manage most BZBGear video wall processors using basic control methods including front panel controls, IR remote control, RS-232, or IP control.

Implement a BZBGear video wall processor today and start creating attention-grabbing displays! Contact a BZBGear representative to get started.



SCALABILITY



SOFTWARE
CONTROLLABLE



ULTRA-HD

BG-UHD-VWP-1X4

4K UHD HDMI/DISPLAYPORT VIDEO WALL PROCESSOR WITH SCALER/AUDIO FOR UP TO 4 TVS

The BG-UHD-VWP-1X4 4K 1x4 Video Wall Processor is a high-quality video processor that is perfect for multiple flat panel displays or projectors. It is designed to support HDMI/DisplayPort signals up to 4K2K@60Hz 4:4:4, providing you with crisp, clear images that are ideal for digital signage, broadcasting, education, and surveillance systems. The embedded scaler technology ensures that video signals are converted to match the native resolution of monitors, flat panel displays, and projectors, while user-selectable output settings up to WUXGA (1920x1200) allow for customized display options.

BG-UHD-VWP-1X4 unit is extremely versatile and can be controlled via USB, push buttons, Ethernet, webGUI, and IR remote control. With the image parameters saved in flash memory, you can easily recall your preferred settings without the hassle of reconfiguring the unit every time. It is HDCP 2.2 compliant, ensuring that it is compatible with the latest content protection standards.



[Check out this item on our website](#)

Features



ACCEPTS HIGH RESOLUTION INPUTS

HDMI And Display Port Inputs Up To 4K2K@60Hz 4:4:4



EASY TO CONTROL

Options Include Front Panel, LAN, IR, And USB Virtual Com



HDCP

High-Bandwidth Digital Content Protection Supported



REMOTE ACCESS

Control using IntriCloud Service (www.intri.cloud)



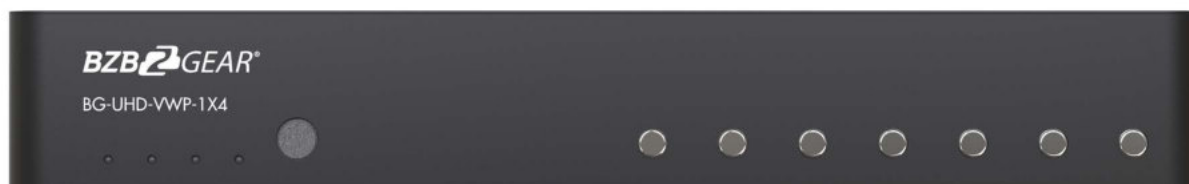
COMPLIANT PORTS

HDMI 2.0a And DisplayPort 1.2a Inputs



SCALABILITY

Resize, Position, and Zoom Each Individual HDMI Output



BG-UHD-VWP19

4K UHD ADVANCED MULTI INPUT VIDEO WALL PROCESSOR WITH SEAMLESS SWITCHING/SCALING/EDID MANAGEMENT FOR UP TO 9 TVs

The BG-UHD-VWP19 is a professional-grade multi-format video wall processor engineered for maximum versatility and performance in large-scale display environments. Designed to handle a broad range of input sources - including HDMI, DisplayPort 1.4, USB-C, VGA, YPbPr, and CVBS - it supports ultra-high-definition video up to 4K2K@60Hz (YUV 4:4:4). With nine HDMI outputs for display configurations and an additional HDMI loop-out, it enables both direct source monitoring and dynamic multi-screen layouts for digital signage, broadcast, and control room applications.

Built for flexibility, this processor allows users to resize, rotate, and position content across multiple displays to form complex video wall arrangements such as 3x3 layouts in full 4K resolution. With onboard memory for storing display presets and multiple control options - including front-panel buttons, IR remote, and PC software - the BG-UHD-VWP19 provides an intuitive and powerful platform for real-time video wall management in professional AV installations.



[Check out this item
on our website](#)

Features



MULTI-FORMAT INPUT SUPPORT

Accepts HDMI, DisplayPort, USB-C, VGA, YPbPr, and CVBS signals for flexible source compatibility



NINE HDMI OUTPUTS WITH LOOP-THROUGH

Delivers nine HDMI outputs for video walls plus one HDMI bypass output from the selected input



4K UHD

Handles resolutions up to 3840x2160/4096x2160 @60Hz (YUV 4:4:4, progressive) for exceptional image quality



3X3 VIDEO WALL SUPPORT

Displays a full 4K60 source across nine displays with independent scaling and positioning per output



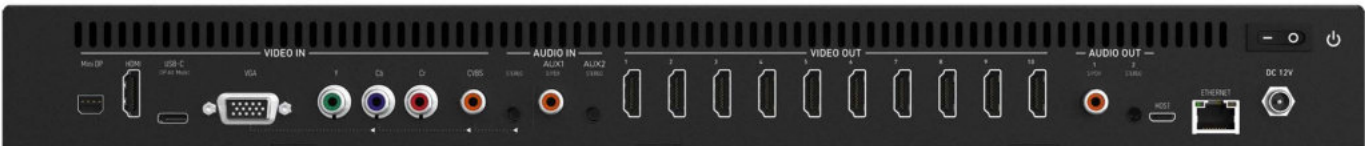
ADVANCED IMAGE CONTROL

Resize, zoom, and position functions available on every output for precise display customization



FLEXIBLE CONTROL OPTIONS

Operate via front-panel keys, IR remote, or software for convenient configuration and management



BG-UHD-VW24

4K UHD HDMI VIDEO WALL PROCESSOR/SWITCHER WITH IP/AUDIO/RS-232 FOR UP TO 4 TVS

Introducing the BG-UHD-VW24 HDMI 2.0 video wall controller from BZBGEAR, an innovative solution for all your video wall processing needs. This powerful controller features 2 HDMI inputs and 2 HDMI loop outs, as well as 4 HDMI scaling outputs, providing seamless and efficient video processing.

With support for resolutions up to 3840x2160@60Hz, this HDMI 2.0 device ensures stunning video quality and optimal viewing experience. The BG-UHD-VW24 also supports HDCP 2.2, ensuring that it is fully compatible with the latest content protection standards.

One of the unique features of the BG-UHD-VW24 is its ability to compensate for bezels in two modes, allowing for optimal display of content across multiple displays. Ability to control resolutions of the output displays and configure the brightness, contrast, saturation, and sharpness of each output further enhancing the viewing experience. Additionally, the controller provides the flexibility of 180° display rotation.



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on our website

Features



HIGH RESOLUTION INPUTS
Inputs Support Up To 4K@60Hz



CONTROL
Options Include TCP/IP, RS-232, HDMI CEC, and PC Software



HDCP 2.2
High-Bandwidth Digital Content Protection Supported



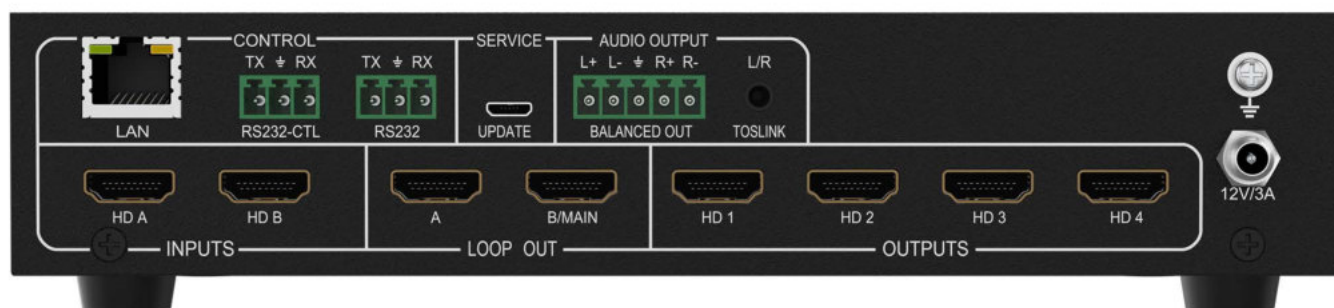
MULTIPLE INPUTS
Supports up to two HDMI inputs



AUDIO EXTRACTION
3.5mm and Balanced Analog Audio Outputs



VERSATILE
180° Rotation and Dual-Mode Bezel Compensation



BG-UHD-VW29

4K UHD HDMI VIDEO WALL PROCESSOR/SWITCHER WITH IP/AUDIO/RS-232 FOR UP TO 9 TVS

Introducing the BG-UHD-VW29 HDMI 2.0 video wall controller from BZBGEAR, an innovative solution for all your video wall processing needs. This powerful controller features 2 HDMI inputs and 2 HDMI loop outs, as well as 9 HDMI scaling outputs, providing seamless and efficient video processing.

With support for resolutions up to 3840x2160@60Hz, this HDMI 2.0 device ensures stunning video quality and optimal viewing experience. The BG-UHD-VW29 also supports HDCP 2.2, ensuring that it is fully compatible with the latest content protection standards.

One of the unique features of the BG-UHD-VW29 is its ability to compensate for bezels in two modes, allowing for optimal display of content across multiple displays. Ability to control resolutions of the output displays and configure the brightness, contrast, saturation, and sharpness of each output further enhancing the viewing experience. Additionally, the controller provides the flexibility of 180° display rotation.



Check out this item
on our website

Features



HIGH RESOLUTION INPUTS

Inputs Support Up To 4K@60Hz



CONTROL

Options Include TCP/IP, RS-232, HDMI CEC, and PC Software



HDCP 2.2

High-Bandwidth Digital Content Protection Supported



MULTIPLE INPUTS

Supports up to two HDMI inputs



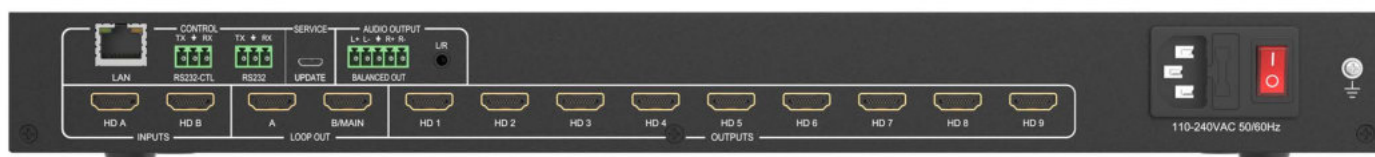
AUDIO EXTRACTION

3.5mm and Balanced Analog Audio Outputs



VERSATILE

180° Rotation and Dual-Mode Bezel Compensation



BG-4K-VP44

4X4 4K UHD SEAMLESS HDMI MATRIX SWITCHER/VIDEO WALL PROCESSOR/MULTIVIEWER WITH SCALER/IR/AUDIO/IP AND RS-232

The BG-4K-VP44 is a powerful video processor and supports four HDMI inputs that can be independently routed to HDMI Outputs. This unit can create video walls, act as a multi-viewer and perform matrix functions! The BG-4K-VP44 supports Video Wall configurations of up to 7 different modes with each monitor. It can also display four pictures on the same screen and has multiple split display modes.

With max resolutions up to 4K@60HZ 4:4:4, the BG-4K-VP44 is capable of producing high-quality imagery with pristine detailing and rich color. All HDMI ports on this unit are HDCP 2.2 compliant. This device also supports analog audio extraction, and audio channels can be switched independently.

The BG-4K-VP44 offers multiple control methods including front panel controls, IR remote control, RS-232, or IP control. The included IR receiver allows the unit to be controlled with the included remote while located out of sight for a clean installation.



PROCESSING AND DISTRIBUTION
TECHNOLOGY OF THE YEAR - AV
AWARDS 2023 FINALISTS



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Features



4X4 MATRIXING

4x HDMI Inputs that can be independently routed to 4 HDMI Outputs



VIDEO WALL

Supports Video Wall up to 7 different modes with each monitor



MULTIVIEW CAPABILITIES

It can display 4 pictures on the same screen and has multiple split display modes



HDCP COMPLIANT

HDCP 2.2 compliancy ensures copyright protection



CONTROL OPTIONS

Control via panel button, Remote Control, RS232 Control, TCP/IP Control



4K@60HZ

Supports resolution up to 4K@60Hz 4:4:4



BG-4K-VP44PRO

4x4 4K UHD SEAMLESS HDMI MATRIX SWITCHER/VIDEO WALL PROCESSOR/MULTIVIEWER OVER CXAT5E/6/7 KIT WITH 4 RECEIVERS

Introducing the BG-4K-VP44PRO: Your Ultimate 4x4 HDMI 2.0 CAT5/6/7 Seamless Matrix. Experience the next level of video distribution with the BG-4K-VP44PRO, a versatile all-in-one solution that's redefining the audiovisual landscape. Packed with advanced features like video wall and multi-view modes, this device unleashes a new era of flexibility, empowering your audiovisual setup with unmatched signal extension capabilities for even the most expansive spaces. Its sophisticated audio matrixing ensures crystal-clear sound, while the Power over Cable (PoC) functionality eliminates cable clutter, streamlining your setup and providing a cleaner, more efficient solution. Upgrade your AV setup today with the BG-4K-VP44PRO and elevate your entertainment experience to new heights.



Check out this item
on our website

Features



SIGNAL EXTENSION

Extent your HDMI signals up to 70m (229ft) over CAT5



AUDIO MATRIXING

Analog audio embedded & extraction - the audio can be independently routed



POC

Power over Cable enables devices to be powered and centralized via a single cable connection



MULTIVIEW MODE

Display 4 different sources on the same screen



VIDEO WALL MODE

Supports up to a 2X2 video wall - Up to 7 different modes built-in and supports cascading



4K UHD

Support for 4K@60Hz 4:4:4 8-bit, HDCP 2.2



BG-4K-VP88

8X8 4K UHD SEAMLESS HDMI MATRIX SWITCHER/VIDEO WALL PROCESSOR/MULTIVIEWER WITH SCALER/IR/AUDIO/IP AND RS-232

The BG-4K-VP88 supports eight HDMI inputs that can be independently routed to HDMI Outputs. This unit can create video walls, act as a multi-viewer and perform matrix functions! The BG-4K-VP88 supports video wall configurations of up to 7 different modes with each monitor. It can also display eight pictures on the same screen and has multiple split display modes.

With max resolutions up to 4K@60Hz 4:4:4, the BG-4K-VP88 is capable of producing high-quality imagery with pristine detailing and rich color. All HDMI ports on this unit are HDCP 2.2 compliant. This device also supports analog audio extraction, and audio channels can be switched independently.

The BG-4K-VP88 provides various control methods, including front panel controls, IR remote control, RS-232, and IP control. With the included IR receiver, the unit can be controlled using the provided remote even when placed out of sight, ensuring a neat installation.



SVC BEST OF SHOW
INFOCOMM WINNERS 2023



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Features



4X4 MATRIXING

4x HDMI Inputs that can be independently routed to 4 HDMI Outputs



VIDEO WALL

Supports Video Wall up to 7 different modes with each monitor



MULTIVIEW CAPABILITIES

It can display 8 pictures on the same screen and has multiple split display modes



HDCP COMPLIANT

HDCP 2.2 compliancy ensures copyright protection



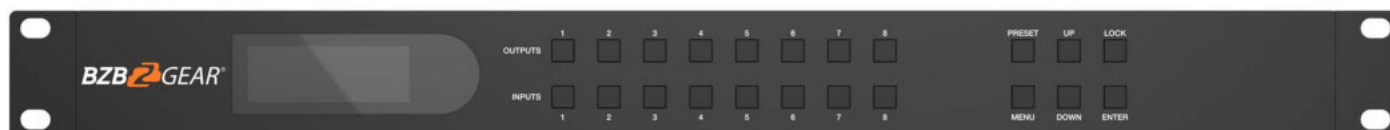
CONTROL OPTIONS

Control via panel button, Remote Control, RS232 Control, TCP/IP Control



4K@60HZ

Supports resolution up to 4K@60Hz 4:4:4



BG-4K-VP99PRO

9x9 4K UHD SEAMLESS HDMI MATRIX SWITCHER/VIDEO WALL PROCESSOR/MULTIVIEWER OVER CAT5E/6/7 KIT WITH 8 RECEIVERS

Introducing the BG-4K-VP99PRO 9x9 HDMI 2.0 over CAT5/6/7 matrix switcher with 3x3 Video Wall and 9 source multiview capabilities. Experience the pinnacle of versatility and cutting-edge technology with this advanced HDMI matrix switcher, perfect for a wide range of professional AV installations.

The BG-4K-VP99PRO offers an impressive array of connectivity options to cater to your diverse needs. With 9 HDMI inputs, 9 HDMI loop outs, 9 HDMI outputs, and 9 DSC outputs featuring Power over Cable (POC) support, seamless integration with multiple sources, displays, and audio systems is guaranteed. Additionally, for large-scale AV projects and installations, all HDMI sources can be extended up to 70m(229ft) over CAT5/6/7.

Delivering stunning visuals with exceptional clarity and color reproduction, the BG-4K-VP99PRO supports resolutions up to 4K60Hz 4:4:4. Its impressive bandwidth of 18Gbps ensures the smooth transmission of high-quality content.



SCN 2025 - PRO
AV BEST IN
MARKET WINNER



BEST MATRIX SWITCHER -
COMMERCIAL INTEGRATOR
2023 BEST AWARDS



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Features



SIGNAL EXTENSION

Extent your HDMI signals up to 70m (229ft) over CAT5



AUDIO MATRIXING

Analog audio embedded & extraction - the audio can be independently routed



POC

Power over Cable enables devices to be powered and centralized via a single cable connection



MULTIVIEW MODE

Display 9 different sources on the same screen



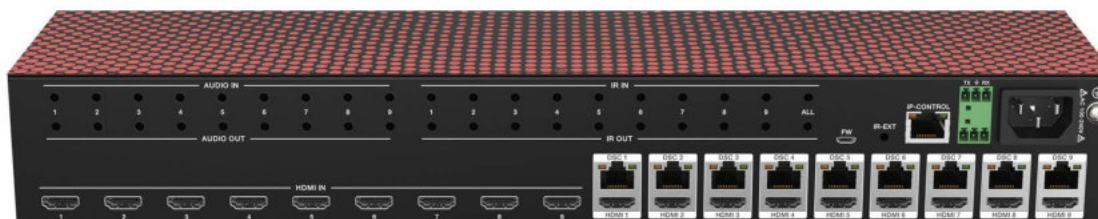
VIDEO WALL MODE

Supports up to a 3x3 video wall - supports cascading



4K UHD

Supports resolution up to 4K@60Hz 4:4:4



BG-4K-VP1616

16X16 4K UHD SEAMLESS HDMI MATRIX SWITCHER/VIDEO WALL PROCESSOR/MULTIVIEWER WITH SCALER/IR/AUDIO/IP/RS-232

The BG-4K-VP1616 supports sixteen HDMI inputs that can be independently routed to HDMI Outputs. This unit can create video walls, act as a multi-viewer and perform matrix functions! The BG-4K-VP1616 supports video wall configurations of up to 7 different modes with each monitor. It can also display sixteen pictures on the same screen and has multiple split display modes.

With max resolutions up to 4K@60Hz 4:4:4, the BG-4K-VP1616 is capable of producing high-quality imagery with pristine detailing and rich color. All HDMI ports on this unit are HDCP 2.2 compliant. This device also supports analog audio extraction, and audio channels can be switched independently.

With the included IR receiver, the unit can be controlled using the provided remote even when placed out of sight, ensuring a neat installation. Additionally, users have the option to utilize the BG-SWITCH-CONTROL app, a proprietary matrix switcher control and management application available for Windows, iOS, Mac, and Android platforms. This software empowers you to effortlessly route sources, manage displays, configure image settings, adjust network settings, and more.



Check out this item
on our website

Features



16X16 MATRIXING

16x HDMI Inputs which can be independently routed to 16x HDMI Outputs



VIDEO WALL

Supports multiple video walls at the same time



MULTIVIEW CAPABILITIES

Up to 16 sources can be displayed on each output in different layouts



HDCP COMPLIANT

HDCP 2.2 compliancy ensures copyright protection



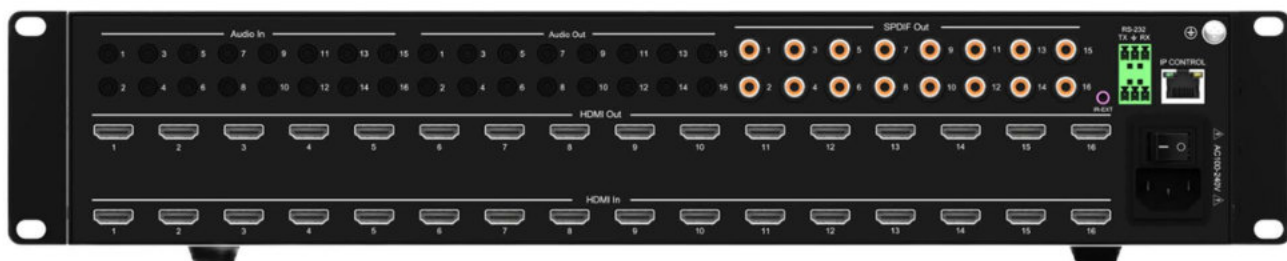
CONTROL OPTIONS

Control via panel button, Remote Control, RS232 Control, TCP/IP Control



4K@60Hz

Supports resolution up to 4K@60Hz 4:4:4



BG-4K-VP1616PRO

16X16 4K UHD SEAMLESS HDMI MATRIX SWITCHER/VIDEO WALL PROCESSOR/MULTIVIEWER OVER CAT5/E6/7 KIT WITH 16 RECEIVERS

The BG-4K-VP1616PRO supports sixteen HDMI inputs that can be independently routed to HDMI or LAN Outputs. This unit can create video walls, act as a multi-viewer and perform matrix functions! The BG-4K-VP1616PRO supports video wall configurations of up to 7 different modes with each monitor. It can also display sixteen pictures on the same screen and has multiple split display modes.

With max resolutions up to 4K@60Hz 4:4:4, the BG-4K-VP1616PRO is capable of producing high-quality imagery with pristine detailing and rich color. All HDMI ports on this unit are HDCP 2.2 compliant. This device also supports analog audio extraction, and audio channels can be switched independently.

With the included IR receiver, the unit can be controlled using the provided remote even when placed out of sight, ensuring a neat installation. Additionally, users have the option to utilize the BG-SWITCH-CONTROL app, a proprietary matrix switcher control and management application available for Windows, iOS, Mac, and Android platforms. This software empowers you to effortlessly route sources, manage displays, configure image settings, adjust network settings, and more.



x16 Receivers



BEST MATRIX SWITCHER - 2024
COMMERCIAL INTEGRATOR
BEST AWARDS WINNER



SVC INNOVATIVE PRODUCTS:
READERS' CHOICE 2024



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on our website

Features



16X16 MATRIXING

16x HDMI Inputs which can be independently routed to 16x HDMI Outputs



VIDEO WALL

Supports multiple video walls at the same time



MULTIVIEW CAPABILITIES

Up to 16 sources can be displayed on each output in different layouts



HDCP COMPLIANT

HDCP 2.2 compliancy ensures copyright protection



CONTROL OPTIONS

Control via panel button, Remote Control, RS232 Control, TCP/IP Control



4K@60Hz

Supports resolution up to 4K@60Hz 4:4:4



BG-MC-SERIES

8X8/16X16/36X36 MODULAR AND FULLY CONFIGURABLE SEAMLESS 4K60 MATRIX SWITCHER WITH VIDEO WALL AND INCLUDED CONTROL SYSTEM

The BG-MC-SERIES Modular Seamless Switching Matrix is a professional-grade AV solution engineered for demanding signal management environments. Supporting up to 8-36 inputs and outputs, it delivers powerful, real-time switching, distribution, and control with zero latency or signal degradation. Designed for mission-critical installations, this all-in-one system integrates a high-performance video wall processor, seamless switching technology, and intelligent control capabilities. Whether deployed in control rooms, broadcasting studios, corporate AV systems, or large-scale video walls, the BG-MC-SERIES ensures pristine 4K60 (4:4:4) image quality and uncompromised reliability across every connected display.

With its modular, pluggable architecture, the BG-MC-SERIES provides unmatched scalability and flexibility. Input and output modules are available for HDMI, DVI-U, VGA, SDI, HDBaseT, and fiber interfaces—each offering four channels per card.



Check out this item
on our website

Features



SEAMLESS 4K SWITCHING

Zero-latency transitions between sources with no tearing or black screens



MODULAR CARD ARCHITECTURE

Pluggable input/output modules for HDMI, SDI, HDBaseT, fiber, and more



ULTRA-LOW LATENCY GEN-LOCK

Synchronizes outputs for precise video wall splicing



SCALABLE DESIGN

Expandable from 8x8 up to 36x36 configurations for flexible installations



COMPREHENSIVE CONTROL OPTIONS

Operate via front panel, RS-232, LAN, IR, Web GUI, or PC software



INTEGRATED VIDEO WALL PROCESSOR

Supports advanced multi-screen layouts with perfect synchronization

BG-MC-88M



BG-MC-1616M



BG-MC-3636M



BG-MC-CONTROL



BG-MC-IN-FIBER-4K



BG-MC-IN-HDMI-4K



BG-MC-IN-HDBT150-4K



BG-MC-IN-SDI-4K



BG-MC-OUT-HDBT100-4K



BG-MC-OUT-HDBT70-4K



BG-MC-OUT-VGA-2K



BG-MC-OUT-DVIU-2K



Videobars

ALL-IN-ONE AUDIO/VIDEO SOLUTION

Videobars are a must have tool for every corporate and office setting. A videobar is an all-in-one audio/video solution that significantly improves videoconferencing. These devices integrate audio and video into a single unit, while providing the same level of functionality as single-purpose built equipment.

BZBGear videobars come with special features such as auto-framing, automatic privacy covers, multiple embedded microphones, and auto-tracking. You can also expect resolutions up to 4K and high quality audio output.



AUTO-FRAMING



EMBEDDED
MICROPHONES



4K RESOLUTION

BG-CYCLOPS-4K

INTELLIGENT 4K UHD ALL-IN-ONE AUTO TRACKING VIDEO BAR WITH HDMI/USB-C AND 20W SPEAKERS/6-MEMS MICROPHONES

The BG-Cyclops-4K's all-in-one design consolidates several devices into one streamlined, user-oriented video conferencing solution.

With a powerful 4K UHD camera and high-end 0.8M CMOS sensor, the BG-Cyclops-4K captures pristine lifelike images. The advanced auto-tracking functionality is bolstered by facial recognition software. The distortion-less 120° wide angle lens automatically tailors the image size based on the number of participants in the frame, eliminating the need to manually adjust the camera before each meeting.

The BG-Cyclops-4K's built-in dual 10W studio speaker ensures every participant can hear and be heard clearly. The sophisticated 6 MEMS microphone array features voice localization and tracking that detects the presenter's position in real time and locks in for a focused shot, removing any confusion as to who is currently speaking. Complete with a privacy cover, the BG-Cyclops-4K automatically shields the lens when no output device or software is detected for and security and comfort.



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Features



CRYSTAL CLEAR IMAGES

Stunning image quality at 4K2K



AUTOMATIC PRIVACY COVER

Camera lens cover automatically closes when there is no output stream detected



WIDE ANGLE LENS

120° wide angle lens ensures every participant is captured in frame



6 MICROPHONES

Multiple microphones enable the current speaker to be tracked in real time up to 6 meters



AUTO FRAMING

Face detection algorithm automatically detects participants to provide the optimal shot



COMPATIBLE

Works with Windows, Mac OS, and major conferencing software such as Zoom, Skype, etc.

Available in Black and White



BG-CYCLOPS-PRO

4K UHD 12X PTZ ALL-IN-ONE SPEAKER TRACKING/AUTO-FRAMING VIDEO BAR WITH HDMI/USB/WI-FI AND PRO-GRADE SPEAKER/MICROPHONE

The BG-CYCLOPS-PRO is a cutting-edge 4K UHD camera designed for seamless video conferencing and collaboration. Its dual-lens system combines a 120° ultra-wide panoramic lens with a 12x optical zoom lens, delivering crystal-clear visuals and exceptional versatility. This all-in-one device features integrated AI capabilities like auto-framing, speaker tracking, and Smart Gallery, along with a beamforming microphone and professional-grade speaker for outstanding audio quality. With flexible mounting options, built-in Wi-Fi, and easy USB connectivity, the BG-CYCLOPS-PRO is the ultimate solution for modern BYOM and BYOD workflows.

Whether on a tabletop, wall-mounted, or attached to a display, the BG-CYCLOPS-PRO delivers outstanding performance, making it the ultimate solution for professional video communication and collaboration.



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Features



DUAL-LENS SYSTEM

Combines a 120° ultra-wide-angle lens for panoramic views with a 12x optical zoom lens for detailed close-ups, both supporting 4K UHD resolution.



ADVANCED AI CAPABILITIES

Features auto-framing, speaker tracking, and Smart Gallery for intelligent participant focus and equitable remote collaboration.



INTEGRATED AUDIO SYSTEM

Includes a 6-element beamforming microphone array with Audio 3A algorithms (AEC, AGC, ANS) for clear communication and a professional-grade full-range speaker for immersive sound.



ALL-IN-ONE DESIGN

Combines a 4K close-up camera, panoramic camera, microphone, and speaker in a compact, sleek design for maximum convenience.



MODERN CONNECTIVITY

Built-in Wi-Fi, USB 3.0, HDMI, and RJ45 ports ensure seamless integration into existing setups, along with support for wireless screen projection.



FLEXIBLE INSTALLATION

Offers versatile mounting options for table, wall, or display attachment, making it ideal for various room sizes and configurations.



BG-CYCLOPS-EXT

EXTENSION MICROPHONE FOR BG-CYCLOPS-4K VIDEO BAR

The BG-CYCLOPS Expansion Microphones seamlessly integrate advanced control features, elegant design, and dependable performance, elevating the audio capabilities of the BG-CYCLOPS. This enhancement offers users a versatile and professional audio solution. Featuring a 3-meter extension range and an intuitive interface, these units are perfect for individuals seeking to expand the audio pickup range of their BG-CYCLOPS video bar in large conference spaces and meeting rooms.

The BG-CYCLOPS Expansion Microphones are equipped with intuitive control buttons, and users can refer to the button description for detailed information on their functionalities. Control is facilitated through transparent infrared transmission, allowing seamless command execution.

For connectivity, the BG-CYCLOPS Expansion Microphones feature an RJ45 output jack for a secure connection, supporting a 10-meter transmission range. Additionally, the cascading jack, also an RJ45 port, allows the connection of up to 2 units of expansion microphones for extended coverage.

The microphones utilize Electret Microphone technology, providing a reliable and high-quality audio experience. The pickup range extends up to 10 feet (3 meters), capturing clear audio within its radius. The frequency response spans from 120 Hz to 16 kHz, ensuring a broad spectrum of sound is accurately reproduced.



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Features



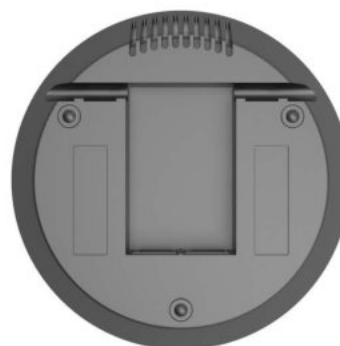
10FT (3M) PICKUP RANGE



ELECTRET MIC
TECHNOLOGY



INTEGRATED INDICATOR
LIGHTS



BZBGear has built an extensive network of Authorized Partners dedicated to helping you select, integrate, and support our industry-leading products. To ensure you receive professional service and genuine, factory-certified products, BZBGear collaborates with a carefully chosen group of Authorized Resellers and Distributors.

Our products are frequently used in advanced AV systems that often require detailed configuration, professional installation, and expertise in control system integration. We highly recommend contacting one of our Authorized Partners for your purchase and considering an experienced AV integration company for installation and setup to ensure optimal performance.

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