BZB GEAR®

Solutions to Amplify Your World™

■ PROFESSIONAL AUDIOVISUAL SOLUTIONS

1080p FULL HD   **4K** ULTRA HD   **8K** ULTRA HD

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Solutions to Amplify Your World™

ABOUT BZBGEAR

Established in 2019 and headquartered in Sacramento, California, BZBGEAR® is a worldwide one-stop source manufacturer for pro AV and broadcasting products. BZBGEAR's mission is to provide top-grade AV and broadcasting solutions while giving precedence to design, user experience, and lifetime product support. Every solution is carefully designed by BZBGEAR hardware and software engineers to ensure that the quality and features are unmatched. With award-winning products and industry-leading support, BZBGEAR is the number one choice for any AV and broadcast application.

WHAT BZBGEAR HAS TO OFFER

BZBGEAR provides end-to-end pro AV and broadcasting solutions including live streaming and video production products. We pride ourselves in our unparalleled customer service and seven-days-a-week tech support. Our team excels in customer care and is recognized for providing outstanding assistance.

BZBGEAR offers the highest degree of professional support while keeping our customers' demands and concerns our top priority. Striving to nurture a lasting relationship through integrity and trust, we put ourselves in our clients' shoes and conduct the sales process with honesty and fair treatment.

Peace of mind is included with all our gear. All BZBGEAR products are backed by our stress-free three-year warranty, with a two-year extended warranty available for our camera products upon registration. Everyone deserves to see, hear, and feel the advancements made in today's AV world at a reasonable price. Gear up with BZBGEAR!

youtube.com/c/bzbtvchannel

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linkedin.com/company/bzbgear

instagram.com/bzbgear

www.bzbgear.com

LIFETIME PRODUCT SUPPORT

PRO AV	CAMERAS
3	**5**
YEAR WARRANTY	YEAR WARRANTY

INDUSTRY LEADING WARRANTY AND SUPPORT

BZBGEAR Pro AV products and cameras come with a three-year warranty. An extended two-year warranty is available for our cameras upon registration for a total of 5 years.

BZBGEAR provides technical support out of Sacramento, CA via phone, email, or chat. Our team provides exceptional assistance on all our products and is knowledgeable on a multitude of brands and models when it comes to compatibility. You will always reach a specialist tuned into your needs, providing unique solutions for your installation.

Technical Support
Monday-Friday 7:00 am - 5:00 pm PST
Saturday-Sunday 10:00 am - 3:00 pm (by appointment only) PST

AWARDS

BZBGEAR has won a number of awards from industry leading organizations and publications

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8K ULTRA HD

REVOLUTIONARY 8K EQUIPMENT

BZBGEAR offers a lineup of high-quality 8K compatible devices that are capable of efficiently transmitting resolutions up to 7680 x 4320 over HDMI 2.1 without the need for video compression. More specifically, we offer 8K compatible multiviewers, video switchers, matrix switchers, amplifiers, and specialty cables. For gaming and live-action entertainment professionals, our 8K equipment will also support resolutions up to 4K at 120Hz!

Why choose 8K over 4K or 1080p? An 8K resolution offers four times the resolution of 4K and 16 times more pixels than a 1080p full HD resolution. That means 8K users will experience sharper imagery that is more lifelike to the human eye. Additionally, with the increase in pixels, users will still get that high-quality resolution and smooth image processing experience on larger displays. If your goal is to entertain guests or audience members, you'll want to implement 8K equipment.

Overall, BZBGEAR 8K compatible equipment will transform you from a competitor into a trendsetter. All of our equipment is tested and certified, so quality is guaranteed. Contact a BZBGEAR representative today!

8K 8K resolution

Support for
High Refresh Rates

Software Controllable

BG-8K-HS21/HS41

8K 60Hz HDMI Switchers

The BG-8K-HS 8K 2x1 HDMI 2.1 switchers are a versatile devices that allows you to switch between multiple HDMI sources and display the selected input on a single HDMI display. It offers support for high-resolution video up to 8K at 60Hz with 4:4:4 chroma subsampling, providing crisp and detailed images with excellent color accuracy. Additionally, the switcher has a high video bandwidth of 48Gbps, which enables it to handle the large amounts of data required for high-quality 8K video.

These switchers are an ideal solution for those who want to be able to easily switch between multiple HDMI sources, such as a gaming console, Blu-ray player, or streaming device. Whether you're watching movies, playing games, or simply want to be able to easily access multiple sources of content, the BG-8K-HS switchers can help ensure that you have access to the best possible video quality.

FEATURES

- Comes in 2x1 and 4x1 configurations
- HDMI 2.1 - Support 48Gbps video bandwidth
- HDCP 2.3 compliant
- Control - Push Button and Auto Switch

- EDID - Auto EDID management
- Support HDR, HDR10, HDR10+, Dolby Vision, HLG pass through
- Compact design for easy and flexible installation

BG-8K-DA12A/14A

8K 60hz HDMI Splitters with Audio De-embedding

The BG-8K-DA HDMI Splitters allow you to share a single HDMI source with multiple displays, providing high-quality video up to 8K resolution at 60Hz with 4:2:0 chroma subsampling. It also features advanced EDID management and audio de-embedding, allowing you to output audio through the optical and analog ports.

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-DA splitters 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 splitter's support for 4K at 120Hz can help you get the most out of your favorite games.
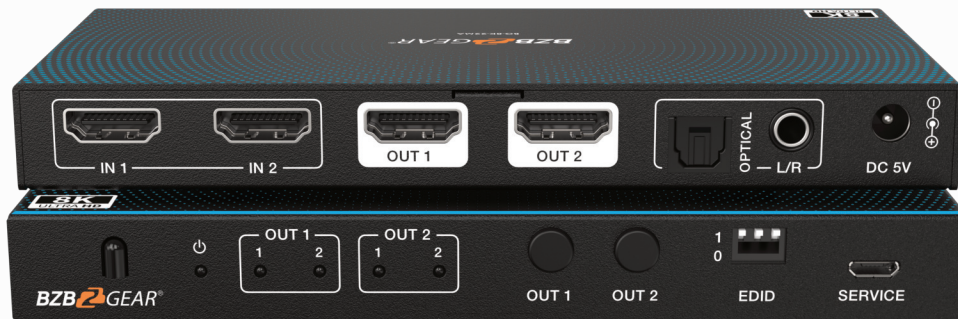
FEATURES

- HDMI 2.1: video resolution up to 8K@60Hz 4:2:0 10bit
- HDCP 2.3 compliant
- Advanced EDID management
- Support audio de-embedding function

- Comes in 1x2 and 1x4 configurations
- Compact design for easy and flexible installation
- HDR - Support HDR, HDR10, HDR10+, Dolby Vision, HLG pass through

BG-8K-22MA

2X2 Matrix 8K@60Hz UHD HDMI2.1 with Audio De-embedder (4K@120Hz 4:4:4 10bit 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 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. This feature makes this matrix switcher a great solution for gaming enthusiasts, who require the best quality picture and a seamless visual experience.

FEATURES

- HDMI 2.1 and HDCP 2.3 compliant
- Support 40Gbps video bandwidth
- Support video resolution up to 8K@60Hz 4:2:0 10bit, 8K@30Hz 4:4:4 10bit, 4K@120Hz 4:4:4 10bit VRR, FVA, ALLM supported
- Support HDR, HDR10, HDR10+, Dolby Vision, HLG pass through
- Compact design for easy and flexible installation
- Advanced EDID management

- Support HDMI audio formats: LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
- Built-in Equalizer, Retiming and Driver
- Support audio de-embedding function (output through the optical and analog port)
- Support IR remote control and front panel button switching

BG-8K-42MA

4×2 8K UHD HDMI 2.1 Matrix Switcher with Audio De-embedder (8K60, 4K120 4:4:4 10bit 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.

FEATURES

- Video resolution up to 8K@60Hz 4:2:0 10bit, 8K@30Hz 4:4:4 10bit, 4K@120Hz4:4:4 10bit
- 8K->4K, 8K/4K->2K downscaling
- IR remote control and front panel button switching
- HDMI 2.1 and HDCP 2.3 compliant
- LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
- Supports 40Gbps of video bandwidth
- VRR, FVA, ALLM
- HDR, HDR10, HDR10+, Dolby Vision, HLG pass-through

- INPUT 1 and OUTPUT 1 ports support ARC/eARC
- Allows HD audio up to Dolby Atmos/DTS:X over TrueHD from ANY external HDMI source to a supported eARC/ARC sound system
- Audio de-embedding (output through the optical and analog port)
- Built-in EDID DIP switches support advanced EDID management
- Built-in Equalizer, Retiming, and Driver
- Compact design - For easy and flexible installations

BG-8K-44MA

4X4 Matrix 8K@60Hz UHD HDMI2.1 48Gbps with Scaler, Audio De-embedder
(4K@120Hz 4:4:4 10bit 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.

Play Games at 4K@120Hz! 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. Whether you're playing competitively or just looking for the most realistic and engaging gaming experience possible, the 8K HDMI 8x8 matrix switcher's support for 4K at 120Hz can help you get the most out of your favorite games.

FEATURES

- Features 4 x HDMI inputs which can be independently routed to 4 x HDMI outputs
- HDMI 2.1a (48Gbps) HDCP 2.3 (and all earlier versions supported)
- Up to 8K@60Hz 4:2:0, 8K@30Hz 4:4:4 and 4K@120Hz 4:4:4
- 8K to 4K or 8K/4K to1080p Down Scaling on all outputs

- HDR, HDR10, HDR10+, Dolby Vision pass through
- VRR, ALLM, QMS, QFT, SBTM are supported
- Digital S/PDIF and Balanced audio output
- Control via front panel, IR, RS-232 and TCP/IP (Web GUI)
- Advanced EDID management

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BG-8K-88MA

8X8 Matrix 8K@60Hz UHD HDMI2.1 48Gbps with Scaler, Audio De-embedder (4K@120Hz 4:4:4 10bit 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.

Play Games at 4K@120Hz! 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. Whether you're playing competitively or just looking for the most realistic and engaging gaming experience possible, the 8K HDMI 8x8 matrix switcher's support for 4K at 120Hz can help you get the most out of your favorite games.
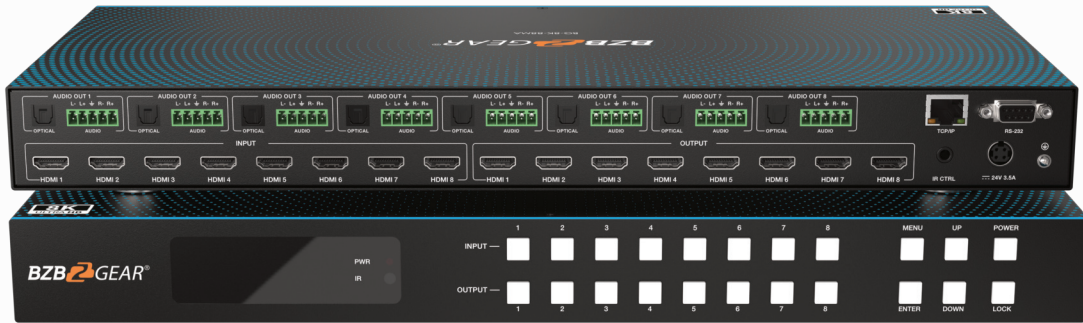
FEATURES

- Features 8 x HDMI inputs which can be independently routed to 8 x HDMI outputs
- HDMI 2.1a (48Gbps) HDCP 2.3
- Up to 8K@60Hz 4:2:0, 8K@30Hz 4:4:4 and 4K@120Hz 4:4:4
- 8K to 4K or 8K/4K to1080p Down Scaling on all outputs
- HDR, HDR10, HDR10+, Dolby Vision pass through

- VRR, ALLM, QMS, QFT, SBTM are supported
- Digital S/PDIF and Balanced audio output
- Control via front panel, IR, RS-232 and TCP/IP (Web GUI)
- Advanced EDID management

AV OVER IP

REVOLUTIONARY AV OVER IP SYSTEMS

BZBGEAR Audio/video over IP systems enable users to effectively stream their audio and video with a network connection. The possibilities are endless – everything from creating a virtual A/V Matrix system, a Video Wall, or even KVM extension – all while utilizing your existing network infrastructure! There are a variety of AV over IP solutions available including: AV over IP for home application and AV over IP for commercial use.

BZBGEAR's AVoIP systems are designed to be fast to install, easy to configure, and simple to operate. BZBGEAR offers one of the best AV over IP control and management systems with the ultra smart yet simple browser interface and our iOS App.

Upgrading to an AV over IP system can provide massive savings in labor and materials. Rather than running all new cabling and dedicating valuable shelf or closet space for legacy video switchers, these systems allow you to add our simple software and equipment to your pre-existing set-up. Additionally, PoE support eliminates the need for power supplies, resulting in less connections and a faster, cleaner installation!

Control Multiple Transceivers

Web Interface and Mobile App

Bi-Directional IR

BG-VOP-MT

4K UHD HDMI 2.0 IPGEAR-4K AV over IP Multicast Transceiver with Video Wall & 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.

FEATURES

- TAA compliant product
- HDMI input up to 4K2K@60Hz 4:4:4
- HDMI output up to 4K2K@30Hz RGB
- Can be configured as a transmitter or receiver
- Supports PoE functions
- USB 2.0 downstream port
- Flexible and scalable UHD video broadcasting
- Bi-directional IR path
- HDMI 2.0a & HDCP 2.2 compliant
- Up to 1,023 groups multi-casting
- 180° and 270° clockwise image rotation
- Latency: 1080p60Hz: 23ms
- Video wall and matrix functions
- Easy dip switch matching for multi-casting group configuration
- Wall mountable housing for robust installations
- 1 to 1, 1 to many, and multi-casting broadcasting architecture
- Full frequency IR signal from 20KHz to 60KHz
- Transmitters can theoretically multicast to an unlimited number of displays

BG-VOP-CB

Smart Controller for BZBGEAR IPGEAR-4K AV over IP System

- TAA compliant product
- Cost effective solution for IoT
- Smart control of up to 1024 transceivers
- Auto-detection of transceiver units on the network
- Includes web interface and Mobile App support
- Custom graphic and text overlays
- Drag and drop matrix switching
- Create multiple video walls with ease
- Schedule time for audio/video mapping, cycle play and mute/resume

BG-IPGEAR-PRO-T AND BG-IPGEAR-PRO-R

4K@60Hz HDMI 2.0 AV over IP Transmitter/Encoder and Receiver/Decoder with Video Wall support/POE Support/Audio/USB/IR/RS232 for IPGEAR-PRO System

The BG-IPGEAR-PRO-T and BG-IPGEAR-PRO-R are high-performance transmitters/encoders and receivers/decoders that are essential components 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 and BG-IPGEAR-PRO-R are designed to be easy to install and use. When paired with the BG-IPGEAR-PRO-R receivers and the BG-IPGERAR-PRO-C controller, it becomes one of the most user-friendly video over IP solutions on the market. The controller can automatically discover each IPGEAR-PRO device on the network, making the setup process simple. Furthermore, the system is TAA-compliant, making it suitable for government use.

It also offers a scalable solution that enables users to add additional Transmitter or Receiver units to the network at any time, providing full flexibility and customization to HDMI distribution and switching over IP.

FEATURES

- HDMI input up to 4K2K@60Hz 4:4:4
- HDMI output up to 4K2K@60Hz RGB
- Supports PoE functions
- USB 2.0 downstream port
- Flexible and scalable UHD video broadcasting
- Bi-directional IR path
- HDMI 2.0a & HDCP 2.2 compliant
- Up to 1,023 groups multi-casting
- 180° and 270° clockwise image rotation

- Latency: 2 frames (33ms) maximum
- Video wall and matrix functions
- Easy dip switch matching for multi-casting group configuration
- Wall mountable housing for robust installations
- 1 to 1, 1 to many, and multi-casting broadcasting architecture
- Full frequency IR signal from 20KHz to 60KHz

BG-IPGEAR-PRO-C

Control Gateway for BG-IPGEAR-PRO AVoIP system

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).

FEATURES

- Cost effective solution for IoT
- Smart control of up to 1024 transceivers
- Auto-detection of transceiver units on the network
- Includes web interface and Mobile App support
- Custom graphic and text overlays

- Drag and drop matrix switching
- Create multiple video walls with ease
- Schedule time for audio/video mapping, cycle play and mute/resume

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

1X4 4K 18Gbps UHD VideoWall Processor/Controller with Scaler/Audio and 1X3/1X4/2X2/4X1 Layout

- HDMI and Display Port Inputs Up To 4K2K@60Hz 4:4:4
- Options Include Front Panel, LAN, IR, And USB Virtual Com
- Native, High-Bandwidth Digital Content Protection Supported
- Remote Access And Control Using IntriCloud Service
- HDMI 2.0a And DisplayPort 1.2a Inputs
- Resize, Position, and Zoom Each Individual HDMI Output
- Sturdy metal construction
- Great solution for digital signage
- Five embedded default EDIDs
- Upgradable firmware for new features and technology enhancements
- Switch between four layouts with the IR remote
- Save image parameters and layouts in the flash memory for easy recall
- Supports independent input rotation at resolutions up to 1080p60Hz
- Ablility to adjust propagation delay on each display
- 4K2K@60Hz inputs can be divided onto four 1080p60Hz displays (2x2 only)

BG-UHD-VW2X2

2X2 4K 18Gbps UHD HDMI Video Wall Processor/Controller with Audio Extraction

- Input Up To 4K@60Hz 4:4:4
- Spread a Source Across Multiple Displays
- Additional Local Display Connectivity
- 1 x RCA, 1 x TOSLINK
- Choose From a Variety Of Video Wall Configurations
- Front panel, IR Remote, RS232
- Compatible with HDCP2.2
- Mirror mode available (2x2 only)
- Edge shielding functions
- Sturdy metal housing
- Plug and play unit
- Supports AUX and Spdif audio extraction
- 180° output rotation for installations with inverted displays
- Output up to 1080p@60Hz on each display
- Configure for 1x1, 2x2, 1x2 (H), 1x3 (H), 1x4 (H), 2x1 (V), 3x1 (V), 4x1 (V) layouts

BG-UHD-VW24

2X2 4K 18Gbps UHD HDMI 2.0 Video Wall Processor/Controller with Audio and IP/RS232 Control

- Inputs Support Up To 4K@60Hz
- Options Include TCP/IP, RS-232, HDMI CEC, and PC Software
- HDMI 2.0 and HDCP 2.2
- PIP Supported On Video Walls
- 3.5mm and Balanced Analog Audio Outputs
- 180° Rotation and Dual-Mode Bezel Compensation
- Human-body model ESD protection
- Dual HDMI loop outs
- Sturdy, metal case construction
- Supports CEC control through PC Tool or line commands
- Easily upgradable firmware
- 2.0 channel, 5.1 channel, LPCM, Dolby, AC3, and DTS audio
- Video wall resolutions up to 3840x2160@60Hz
- Baud rate: 57600, data bit: 8, Stop bit: 1, no parity
- Loop out the HDMI A/B signal for devices connected to each output

BG-UHD-VW29

3X3 4K 18Gbps UHD HDMI 2.0 Video Wall Processor/Controller with Audio and IP/RS232 Control

- Supports Resolutions Up To 4K@60Hz
- Options Include TCP/IP, RS-232, HDMI CEC, and PC Software
- HDMI 2.0 and HDCP 2.2
- PIP Supported On Video Walls
- 3.5mm and Balanced Analog Audio Outputs
- 180° Rotation and Dual-Mode Bezel Compensation
- Human-body model ESD protection
- Dual HDMI loop outs
- Sturdy, metal case construction
- Supports CEC control through PC Tool or line commands
- Easily upgradable firmware
- 2.0 channel, 5.1 channel, LPCM, Dolby, AC3, and DTS audio
- Video wall resolutions up to 3840x2160@60Hz
- Baud rate: 57600, data bit: 8, Stop bit: 1, no parity
- Loop out the HDMI A/B signal for devices connected to each output

BZ-MVS4X4-4K

4X4 4K 18Gbps UHD HDMI Video Wall Processor & Seamless Matrix Switcher with Scaler/IR/Audio/IP and RS-232

- Spread a Source Across Multiple Displays
- View Any Source on Any Display
- Supports resolutions up to 4K@60Hz 4:4:4
- Front Panel, TCP/IP, RS-232, IR remote, PC Software
- HDMI 2.0 and HDCP 2.2 compliant

- Embedding and De-Embedding Supported
- Seamless matrix switching and video wall processing functions (2x2)
- Supports audio matrix and IR matrix functions
- EDID & CEC management

BZ-MVS8X8-4K

8X8 4K 18Gbps UHD HDMI Video Wall Processor & Seamless Matrix Switcher with Scaler/IR/Audio/IP and RS-232

- Spread a source across multiple displays
- View any source on any display
- Supports resolutions up to 4K@60Hz on all inputs and outputs
- Utilize the physical buttons, RS232, Bi-Directional IR, or Web interface to mange your devices and display layouts
- HDMI 2.0 and HDCP 2.2 compliant

- Embed or extract audio on each HDMI input or output
- Seamless matrix switching
- Auto/manual EDID management Save & recall videowall/matrix scenes
- Up to 8 HDMI inputs and 8 HDMI outputs
- IR matrix routing follows video routing
- Supports multiple video wall configurations on up to 8 displays (two 2x2, four 1x2, one 2x3, one 2x4, etc)

BG-4K-VP44

4X4 4K 18Gbps 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.

Connectivity and Quality
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.

Control
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.

In addition to a full-featured web interface, the BG-4K-VP44 includes control software that can be operated via the RS-232 connection. These interfaces allow users to adjust advanced features like EDID management, mapping, and network settings.

FEATURES

- 4x HDMI Inputs which can be independently routed to HDMI Outputs. No switching delay or picture loss during transitions
- Supports resolution up to 4K@60Hz 4:4:4
- Supports Video Wall up to 7 different modes with each monitor with 4K@60Hz 4:4:4 resolution
- It can display 4 pictures on he same screen and has multiple split display modes

- Supports HDMI audio formats including Dolby-5.1, DTS-5.1
- Analog audio extraction, and the audio can be independently switching
- Compliant HDCP 2.2 with EDID management
- Control via panel button, Remote Control, RS232 Control, TCP/IP Control

BG-4K-VP88

8X8 4K 18Gbps 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.

Connectivity and Quality
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.

Control
The BG-4K-VP88 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.
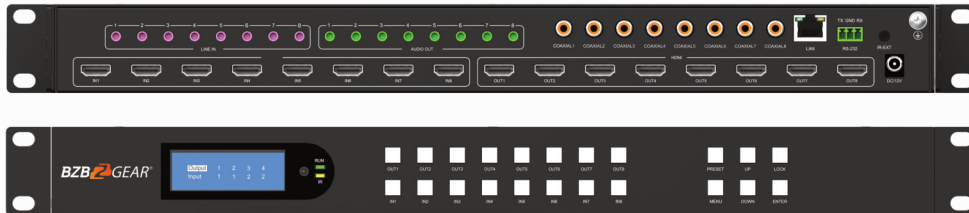
In addition to a full-featured web interface, the BG-4K-VP88 includes control software that can be operated via the RS-232 connection. These interfaces allow users to adjust advanced features like EDID management, mapping, and network settings.

FEATURES

- 8x HDMI Inputs which can be independently routed to HDMI Outputs. No switching delay or picture loss during transitions
- Supports resolution up to 4K@60Hz 4:4:4
- Supports Video Wall up to 7 different modes with each monitor with 4K@60Hz 4:4:4 resolution
- It can display 8 pictures on he same screen and has multiple split display modes

- Supports HDMI audio formats including Dolby-5.1, DTS-5.1
- Analog audio extraction, and the audio can be independently switching
- Compliant HDCP 2.2 with EDID management
- Control via panel button, Remote Control, RS232 Control, TCP/IP Control

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-MKVM41R

4X1 Full HD HDMI/USB 2.0 Seamless Quad KVM Multiviewer

- · View up to 4 computers or devices on one screen simultaneously
- · Control connected devices in quad-view by merely hovering your mouse over the desired screen
- · HDMI 1.3a and HDCP 1.2 compliant
- · Supports up to 4 USB peripherals to share between connected device

- · Supports 1080@60Hz for crystal clear images
- · Compatible with Mac OS and Windows
- · Control with mouse, keyboard, hot keys, front panel button, RS232, or IR control
- · Supports multiple output resolutions
- · Maximum resolution of 1080p@60Hz for crystal clear images

BG-MV41A

4X1 1080P Full HD Multiviewer with Scaler and RS-232 Support

- · HDMI 1.3a, HDCP 1.2
- · Resolutions up to 1080p@60Hz Supported
- · Use as a Switcher, Monitor, Converter, or Multiviewer
- · 4x1 Quad Multiview (With Matching Resolutions)
- · Output Resolutions Can Be Adjusted Via The IR Remote
- · Upscale 720p Into 1080p And Downscale 1080p To 720p

- · Sturdy metal chassis
- · Quick, seamless switching
- · Easy to install and operate
- · Sturdy metal chassis
- · RS232 signal passthrough
- · Selectable audio output
- · Lock in power supply

BG-UMV-HA41

4X1 4K UHD HDMI Seamless Multiviewer/Switcher/Scaler with Audio and RS-232 Support

This 4K multi-view switcher is a great fit for anyone looking to seamlessly flow between presentations and videos on one display, as well as simultaneously view up to four video sources on that display via a single HDMI output. Video sources shown either in full screen or through multi-view windows can be easily swapped with the push of a button from the IR remote and several other helpful control options to monitor multiple video sources at once.

Thanks to its 4K@30 Hz resolution, every detail is captured from each video source. Two audio outputs also support audio de-embedding to extract audio from your sessions. Audio embedding options are also available via two inputs on the device.

FEATURES

- Input Up To 4K@30Hz 4:4:4 Chroma
- IR remote, RS-232, Web GUI, or Front Panel Buttons
- Quick And Easy Source Switching
- 3-Pin Line-In And Mix Inputs
- 3.5mm Analog And TOSLINK Digital Outputs
- Simultaneously Display Multiple Inputs On A Single Monitor
- Based on FPGA technology

- SNR > 90dB, 20Hz-20 kHz bandwidth
- Resize the windows with 3 different options
- Upgradeable firmware
- Auto-scaling for each source input
- Single window auto-switching
- Rack mountable, all metal construction
- Cascadable for up to 16 screens on 1 display
- 16 pre-defined layouts

BG-UHD-QVP-4X2

4X2 4K 18Gbps UHD Seamless Multiviewer/Presentation Switcher/Scaler with USB Capture Card

Whether for digital signage, presentation spaces, conference rooms, or live broadcasting, the BG-UHD-QVP-4X2 is the video processor for the job. With four HDMI inputs and two HDMI outputs supporting 4K2K@60Hz 4:4:4 Chroma resolution, this device allows users to quickly transition between sources using transitions like dissolve, fade, and wipe with no signal interruption.

The two 4K@60Hz HDMI inputs on the BG-UHD-QVP-4X2 are HDCP 1.4/2.2 compliant. With the UVC outputs, monitoring is enabled via HDMI, USB 3.0, and 3.5mm stereo audio out. When using USB 3.0, video is output at 1080p@60Hz resolution.

FEATURES

- Input Resolutions Up To 4k@60Hz 4:4:4 Chroma
- Quick And Easy Source Switching
- IR remote, RS-232, Web GUI, or Front Panel Buttons
- Convert HDMI Sources And Output Via USB 3.0 At Up To 1080p@60Hz
- UVC1.0 Monitor Output
- Extract Audio From Current HDMI Input
- Resize, position, pan, zoom, and blend

- Multiple transitions in full-screen mode
- Customizable graphics
- PIP, PBP, POP, full-screen, & quad-view
- 4x HDMI inputs and 2x HDMI outputs
- Upgradable firmware
- Supports uncompressed 7.1 ch HDMI audio
- Functions as video converter/switcher
- HDCP 1.4/2.2 compliant

BG-UHD-MVS21A

4K 60hz HDMI 2x1 Seamless Switcher with PIP/PBP and 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.

Connectivity and Quality
This device supports a wide range of input resolutions up to 3840x2160@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.

Control
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.

FEATURES

- HDMI 2.0b - 18Gbps with resolutions up to 4K@60hz
- HDCP 2.2 Compliant
- Seamless switching

- Multiview - PIP and PBP modes
- Audio De-Embedding
- Compact design for easy and flexible installation

BG-UHD-MVS41A

4K 60hz HDMI 4x1 Seamless Switcher with PIP/PBP and 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.

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This device supports a wide range of input resolutions up to 3840x2160@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.

Control
Multiple control options are available for the BG-UHD-MVS41A. 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.

FEATURES

- HDMI 2.0b - 18Gbps with resolutions up to 4K@60hz
- HDCP 2.2 Compliant
- Seamless switching

- Multiview - PIP and PBP modes
- Audio De-Embedding
- Compact design for easy and flexible installation
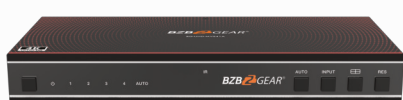
BG-UHD-MVS42MA

4K 60hz HDMI 4x2 Seamless Matrix Switcher with PIP/PBP and 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-MVS42A 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.

Connectivity and Quality
This device supports a wide range of input resolutions up to 3840x2160@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.

Control
Multiple control options are available for the BG-UHD-MVS42A. 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.

FEATURES

- HDMI 2.0b - 18Gbps with resolutions up to 4K@60hz
- HDCP 2.2 Compliant
- Seamless switching and matrix function

- Multiview - PIP and PBP modes
- Audio De-Embedding
- Compact design for easy and flexible installation

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BG-4K-VP44

4X4 4K 18Gbps 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.

Connectivity and Quality
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.

Control
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.

In addition to a full-featured web interface, the BG-4K-VP44 includes control software that can be operated via the RS-232 connection. These interfaces allow users to adjust advanced features like EDID management, mapping, and network settings.

FEATURES

- 4x HDMI Inputs which can be independently routed to HDMI Outputs. No switching delay or picture loss during transitions
- Supports resolution up to 4K@60Hz 4:4:4
- Supports Video Wall up to 7 different modes with each monitor with 4K@60Hz 4:4:4 resolution
- It can display 4 pictures on he same screen and has multiple split display modes

- Supports HDMI audio formats including Dolby-5.1, DTS-5.1
- Analog audio extraction, and the audio can be independently switching
- Compliant HDCP 2.2 with EDID management
- Control via panel button, Remote Control, RS232 Control, TCP/IP Control

BG-4K-VP88

8X8 4K 18Gbps 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.

Connectivity and Quality
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.

Control
The BG-4K-VP88 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.
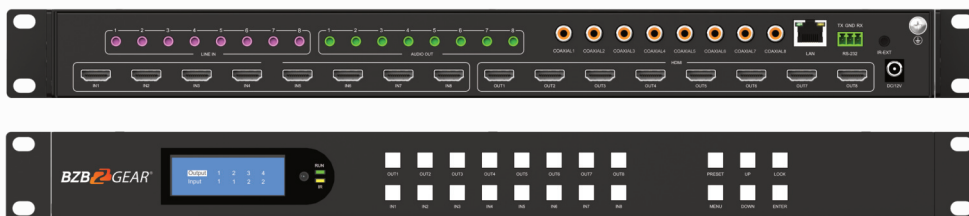
In addition to a full-featured web interface, the BG-4K-VP88 includes control software that can be operated via the RS-232 connection. These interfaces allow users to adjust advanced features like EDID management, mapping, and network settings.

FEATURES

- 8x HDMI Inputs which can be independently routed to HDMI Outputs. No switching delay or picture loss during transitions
- Supports resolution up to 4K@60Hz 4:4:4
- Supports Video Wall up to 7 different modes with each monitor with 4K@60Hz 4:4:4 resolution
- It can display 8 pictures on he same screen and has multiple split display modes

- Supports HDMI audio formats including Dolby-5.1, DTS-5.1
- Analog audio extraction, and the audio can be independently switching
- Compliant HDCP 2.2 with EDID management
- Control via panel button, Remote Control, RS232 Control, TCP/IP Control

PRESENTATION SWITCHERS

INNOVATIVE PRESENTATION SWITCHERS

BZBGEAR presentation switchers provide a common connection point for all of your devices and peripherals. Once your devices are connected, you can quickly and easily switch between them at the touch of a button. Implementing a BZBGEAR presentation switcher will help you eliminate long runs of messy wires. Whether you prefer hardwired equipment, wireless equipment, or even HDBaseT-compatible equipment, we have what you need!

With the accompanying PC software (only available with certain models), advanced configuration and management features will be available at your convenience. If you're looking to further simplify setup and use for your presentation switcher, Airplay and Miracast support will allow you to connect your devices quickly and easily, with no wires needed!

Overall, BZBGEAR offers an extensive line-up of full-featured presentation switchers that are budget-friendly. Upgrade your space today!

Software Controllable   **Ultra-HD**   **Auto-Scaling**

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 eliminates the need for cumbersome cables and setup, and makes it easy for people to take advantage of the room's audio/video (A/V) system to collaborate with both in-room and remote meeting participants.

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.

FEATURES

- Enjoy a completely wireless presentation experience with the ability to use your own device and eliminate the need for messy cables
- Utilize native wireless mirroring protocols like Airplay, Miracast, and Chromecast to stream your content
- Achieve best-in-class data security with high-standard encryption and ensure the privacy of your meeting
- Annotate and use whiteboard feature
- Easily connect your device to room USB peripherals such as cameras, microphones, and speakers for a seamless video conference experience
- Dual network separates guest and employee access

- Connect using the Windows/MAC/iOs/Android app, and support up to 4 split screen view
- PoE support, with the ability to save on PSU when connecting to a PoE ethernet switch
- Stream content wirelessly in 1080P resolution, and enjoy HDMI 2.0 output for high-quality picture
- Control your laptop remotely with the touch screen and view of the room
- Moderation mode support with preview function
- Central management platform is available for easy control and monitoring

BG-PS21-4K

2-Port 4K 18Gbps UHD KVM Presentation Switcher with HDMI/USB-C Inputs/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.

FEATURES

- Input Resolutions Up To 4K2K@60Hz
- Easy To Install And Use
- LPCM 7.1, Dolby Atmos®, TrueHD, Digital® Plus, DTS: X™, And DTS-HD® Master Audio™ Pass-Through
- Eliminates Connection Issues
- Automatically Selects Input When Change In Signal Is Detected
- High-Bandwidth Digital Content Protection Creates A Secure Source To Display Connection
- 18G 2x1 switcher with HDMI and USB-C inputs
- Supports automatic switching

- Controllable via front panel buttons and RS232
- Supports HDMI 2.0, 4Kx2K@60Hz 4:4:4, HDR 10, Dolby Vision, HDCP 2.2
- Provides charging on USB-C port up to 40W
- Provides USB data (USB 3.0/2.0) and 4K video transmission on USB-C port
- Smart EDID management for various applications and customized settings
- Balanced analog audio for audio de-embedding
- Front panel buttons trigger both CEC and RS232 commands for display control

BG-UHD-KVM41

4-Port 4K 18Gbps UHD Conference Room HDMI/USB 3.0 KVM Presentation Switcher

This conference room presentation switcher is a great option for users looking to efficiently manage up to 4 computers from a single workstation using one keyboard, one mouse, and one monitor. This 4X1 HDMI 2.0 KVM switch can support video resolutions up to 4Kx2K@60Hz (4:4:4). The switcher works with multiple operating systems, ensuring maximum compatibility with connected devices.

The BG-UHD-KVM41 is a brilliant option for conference room systems when paired with the optional BG-SC-GRHU table grommets. These grommets can be installed in a tabletop and provide USB and HDMI connections along with local source selection and video mute buttons. The grommets can be purchased separately or as a bundle with the BG-UHD-KVM41-KIT.

FEATURES

- Supports resolutions up to 4K@60Hz
- Remotely control 4 computers from a single screen
- HDMI 2.0, HDCP 2.2, HDR 10, and Dolby Vision
- Conveniently share 3 x USB 3.0 peripherals
- Stereo audio de-embedding via 3.5mm jack

- Controllable via front panel buttons, RS-232, and BG-SC-GRHU table grommets
- Simplifies wiring for easy installation
- KVM auto-switching based on TMDS/5V detection
- Compatible with Windows, Mac, and Linux

BG-SC-GRHU

HDMI and USB3.0 Table Grommets for BZBGEAR BG-UHD-KVM41

The BG-SC-GRHU is a table grommet for BZBGEAR's BG-UHD-KVM41 switcher. Each grommet supports resolutions up to 4Kx2K@60Hz 4:4:4 and features an HDMI input, USB 3.0 connection, and controls for source selection and video mute.

Users can connect their devices via the HDMI or Type B USB inputs. The HDMI and Type-A USB outputs provide the direct connection to the switcher.

Each grommet additionally has a 3-pin terminal control block to connect to the GR1~GR4 ports of the BG-UHD-KVM41 switcher, providing support for workstations or conferencing setups with the need to easily switch between and control multiple computers.

BG-PS41-BYOD-4K

4-Port 4K 18Gbps UHD HDMI/USB-C/BYOD Conference Room Wireless Presentation Switcher

The BG-PS41-BYOD-4K is a powerhouse, enabling users to connect several devices to one display with 4K@30Hz 4:4:4 resolution. This 4x1 presentation switcher is the perfect fit for small businesses and private conference rooms thanks to its wireless Bring Your Own Device (BYOD) features - removing the need for a dedicated device for this presentation switcher. It also has four wired inputs including two HDMI, one USB-C, and one HDMI output. Wireless connectivity provides support for both Airplay and Miracast, making it easier than ever to quickly connect multiple devices for a conference, meeting, or presentation.

FEATURES

- Outputs resolutions up to 4K@30Hz 4:4:4
- Provides support for third-party control systems
- Automatically selects new source devices
- Simple wireless connection via Airplay and Miracast
- Smart EDID management
- Connect and broadcast using self contained wireless, USB Type-C, or USB together with HDMI
- Supports HDMI 2.0b, 4Kx2K@60Hz 4:4:4, HDR 10, Dolby Vision and HDCP 2.2

- 18G 4x1 presentation switcher with wireless BYOD
- Wireless BYOD (Bring Your Own Device) capability via AirPlay and Miracast
- Provide up to 60w charging, USB data (USB 3.0/2.0) and 4K video transmission on USB-C port
- HDMI output audio can be de-embedded out via balanced analog audio port
- Front panel buttons trigger both CEC and RS232 commands for display control

BG-PSC6X2-4K

6X2 4K 18Gbps UHD HDMI/USB-C/DP/VGA & Audio Conference Room Presentation Switcher/Scaler

FEATURES

- Supports Resolutions up to 4K@60 4:4:4
- Microphone input with 48V phantom power
- Embed or De-Embed audio signals
- 3x HDMI, 1x VGA w/audio, 1x USB-C, 1x DisplayPort multiple inputs
- 2x HDMI mirrored outputs
- HDCP 2.2 compliant

- Switch & Scale 6 sources to 2 displays
- 3x HDMI inputs support CEC pass-through
- Scaling from 640x480 to 4096x2160@60Hz
- Front-panel LCD display for status feedback
- Front-panel button, IR remote control, RS-232, TCP/IP and WebGUI for control

BG-PSC7X2

7X2 4K UHD HDMI/Component/VGA/Composite Video & Audio Presentation Switcher/Scaler

FEATURES

- Legacy Input Device Support - 4x HDMI, 1x VGA with audio, 1xYPbPr (Component) and 1x Composite RCA
- Multiple Control Options - Front panel, IR, RS-232, TCP/IP
- Embed via 3.5mm line in or de-embed audio signals Coaxial S/PDIF or 3.5mm

- Multi-Display Support - 2x HDMI mirrored outputs
- Supports image resolutions up to 4K2K@30Hz 4:4:4
- LCD to easily view system status at a glance
- Accepts input resolutions up to 4K@30, outputs scale to 1080P

BG-PSC8X2HDB

8X2 4K 18Gbps UHD HDMI/IP/DP/VGA/Audio/HDBaseT Output Seamless Presentation Switcher

The BG-PSC8X2HDB is an 18Gbps 8x2 seamless 4K presentation switcher. Equipped with 8 video inputs including 6 HDMI ports, 1 Display Port, and 1 VGA port, this HDMI 2.0, HDCP 2.2 and DP 1.2 compliant unit supports multi-format signal processing for seamless switching between all sources. It features automatic input scaling at resolutions up to 4K@60Hz 4:4:4.

FEATURES

- Stunning image quality in 4K@60 4:4:4
- Features adjustable trim and 48V Phantom Power
- Extend signal up to 70 meters at 1080P, or 45 meters at 4K
- Power 2 speakers via 20W stereo outputs
- Eliminates video compatibility issues
- Bi-Directional IR, RS232, and IP Control

- HDMI 2.0, HDCP 2.2 and DP 1.2 compliant
- Support 18 Gbps video bandwidth
- Mirrored output with HDMI and HDBaseT output ports
- Support seamless switching
- 8 video inputs: 6 HDMI ports, 1 DP port, 1 VGA port
- 9 audio source selections (LR1 to LR8 and embedded audio) for HDMI/DP input

BG-PSC8X2-REC

4K 18Gbps UHD HDBaseT Extender for BG-PSC8X2HDB up to 230ft

The BG-PSC8X2-REC is an HDBaseT extender designed to work with BZBGEAR's BG-PSC8X2HDB presentation switcher. By taking advantage of the switcher's HDBaseT output, users can extend the output signal at distances up to 230 feet at 4K@30Hz, and distances up to 328 feet at 1080p@60Hz.

Equipped with PoE (Power over Ethernet), this unit requires no power supply to function. The compact housing eases installation, while bi-directional IR passthrough and RS-232 connections extend control to distant displays.

- Supports 4K@30Hz 4:4:4
- Transmit IR, RS232, and IP control signals
- Receivers need no power supply
- Transmit signal up to 100 meters (328 feet)
- Slim components make a clean installation easy
- Multiple selectable EDID modes ensure reliable connectivity
- Use single UTP LAN cable (CAT-5E/6) to substitute HDMI cable to achieve long distances transmission

BG-PSC11X2-HDBT

11X2 4K 18Gbps UHD HDMI/IP/YPbPr/VGA/CV/Audio/HDBaseT Input&Output Presentation Scaler/Switcher

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.

FEATURES

- Transmit resolutions up to 4K@30Hz
- 1x input, 1x output, transmits up to 330ft/100m over Cat6
- 11 Inputs: 4x HDMI, 4x VGA, 1x Component, 1x Composite, 1x HDBaseT
- Controllable via front panel, IR, TCP/IP or RS-232
- Output audio via analog or S/PDIF connections
- Able to scale from 640x480 to 1920x1080@60Hz

- Switch & Scale 11-inputs to 2 HD/UHD displays
- 2 simultaneous outputs (1x HDMI, 1x HDBaseT), bypass and scaled formatted output selectable
- Dual mode selectable (1x2 Splitter Mode and 5x1 & 11x1 Dual Switcher Mode)
- Built in Ethernet Hub
- HDCP 1.4 compliant
- Front-panel LCD display for status feedback

SINGLE CABLE SWITCHERS

STATE-OF-THE-ART SINGLE CABLE SWITCHERS

BZBGEAR single cable video switchers offer a number of benefits. Enjoy the simplicity! With a single cable solution, there is no need for multiple cables, making installation and setup much easier. Take advantage of the flexibility! Single cable solutions are typically more flexible in terms of the types of devices they can support, such as computers, laptops, and cameras. Stay true to your budget! Single-cable solutions can be less expensive than multi-cable solutions, as they require fewer cables and often have fewer components. Add scalability to your system! These systems are easy to expand and add more inputs and outputs as needed. Work smarter with the added versatility! Single cable solutions can be used in a variety of settings, such as classrooms, conference rooms, and auditoriums.

Additionally, single cable switchers are known for providing high-quality signal transmission. Single-cable solutions typically have better signal quality than select multi-cable solutions. If simplicity is what you want, you'll get that in addition to high-quality performance!

Overall, BZBGEAR single cable solutions are specifically designed to simplify video distribution for those with simple applications. Contact a BZBGEAR representative today and get started on improving your system!

High-Resolution   Scalability   Software Controllable

BZB-SW-41A

4X1 4K 18Gbps UHD HDMI 2.0 Switcher with IR Remote Control

The BZB-SW-41A is a 4X1 HDMI switcher that allows users to connect up to four HDMI sources to a single HDMI display. This HDMI 2.0 and HDCP 2.2 compliant device supports signals up to 4K@60Hz at 18Gbps. Extract HDMI audio (LPCM only) via the 3.5mm output without any loss of quality. This unit also supports HDMI High Bit Rate (HBR) audio pass through with audio sample rates up to 192kHz. Switching between sources is simple when using the front panel push button or the IR remote, and its compact design makes installation easy.

FEATURES

- HDMI 2.0b (18Gbps), HDCP 2.2 and DVI compliant
- Capable of video resolutions up to 4K2K@50/60Hz (YUV444)
- 3.5mm Audio Out - Extracts HDMI audio (LPCM only)
- Compact design is easy to install and use

- 10 bit HDR (High Dynamic Range) pass through
- Supports 4 HDMI inputs and 1 HDMI output
- Built-in retiming and cable driver
- Supports HDCP, 3D and CEC bypass

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BG-8K-HS21/HS41

8K 60Hz HDMI Switchers

The BG-8K-HS 8K 2x1 HDMI 2.1 switchers are a versatile devices that allows you to switch between multiple HDMI sources and display the selected input on a single HDMI display. It offers support for high-resolution video up to 8K at 60Hz with 4:4:4 chroma subsampling, providing crisp and detailed images with excellent color accuracy. Additionally, the switcher has a high video bandwidth of 48Gbps, which enables it to handle the large amounts of data required for high-quality 8K video.

These switchers are an ideal solution for those who want to be able to easily switch between multiple HDMI sources, such as a gaming console, Blu-ray player, or streaming device. Whether you're watching movies, playing games, or simply want to be able to easily access multiple sources of content, the BG-8K-HS switchers can help ensure that you have access to the best possible video quality.

FEATURES

- Comes in 2x1 and 4x1 configurations
- HDMI 2.1 - Support 48Gbps video bandwidth
- HDCP 2.3 compliant
- Control - Push Button and Auto Switch

- EDID - Auto EDID management
- Support HDR, HDR10, HDR10+, Dolby Vision, HLG pass through
- Compact design for easy and flexible installation

MATRIX SWITCHERS

BEST IN MARKET MATRIX SWITCHERS

BZBGEAR matrix switchers allow users to send an audio, video, and control signal to any display that is connected to the switcher. Keeping all of your devices in a single location connected to a matrix switch can greatly simplify the connection and operation of complex systems. If your organization needs to run multiple video components at once, then a matrix switcher is going to be necessary! We offer a variety of matrix switchers that support different configurations and features. That way, you can find exactly what you need.

With the accompanying PC software (only available with certain models), advanced configuration and management features will be available at your convenience. Organize your devices, clean up messy wires, and control everything from one PC!

Overall, BZBGEAR offers an advanced line-up of full-featured matrix switchers that are budget-friendly. Ask one of our representatives how you can upgrade your business or home with a BZBGEAR matrix switcher today!

Software Controllable	Ultra-HD	HDBaseT

BG-UHD-42M

4X2 4K 18Gbps UHD HDMI Matrix Switcher with Audio Extraction & Downscaling Support

FEATURES

- Supports resolutions up to 4K@60Hz 4:4:4
- HDMI 2.0, HDCP 2.2/HDCP1.4 and DVI 1.0 compliant
- Advanced EDID management for rapid integration of sources and displays
- Flexible control via front panel buttons and IR remote
- Route any of the 4 inputs to either of the 2 outputs
- Supports resolution downscaling from 4K to 1080P
- Supports ARC

- Supports 18Gbps uncompressed bandwidth on all HDMI ports
- Features 4 HDMI inputs and 2 HDMI outputs
- Supports Dolby Vision, HDR 10+, HLG, and CEC function
- Supports audio de-embedding via optical and analog outputs
- Both outputs support downscaling from 4K to 1080p

BG-UHD-44M

4X4 4K 18Gbps UHD HDMI Matrix Switcher with Auto Downscaling and IP/Cloud/RS-232 Control

FEATURES

- Supports resolutions up to 4K@60Hz 4:4:4
- Take control using the front panel buttons, IR, RS-232, or Web Gui
- 4x4 Matrix: Route any of the 4 inputs to any of the 4 outputs
- Supports downscaling from 4K to 1080P
- Advanced EDID management for rapid integration of sources and displays

- HDCP 2.2/HDCP1.x and DVI compliant
- HDMI 2.0a, HDR Support
- 18Gbps video bandwidth
- Simultaneously display any source on multiple displays
- Firmware updateable
- Supports Dolby Digital, DTS-HD, and Dolby TrueHD

BZ-MVS4X4-4K
4X4 4K 18Gbps UHD HDMI Video Wall Processor & Seamless Matrix Switcher with Scaler/IR/Audio/IP and RS-232

- Spread a Source Across Multiple Displays
- View Any Source on Any Display
- Supports resolutions up to 4K@60Hz 4:4:4
- Front Panel, TCP/IP, RS-232, IR remote, PC Software
- HDMI 2.0 and HDCP 2.2 compliant

- Embedding and De-Embedding Supported
- Seamless matrix switching and video wall processing functions (2x2)
- Supports audio matrix and IR matrix functions
- EDID & CEC management

BZ-MVS8X8-4K
8X8 4K 18Gbps UHD HDMI Video Wall Processor & Seamless Matrix Switcher with Scaler/IR/Audio/IP and RS-232

- Spread a source across multiple displays
- View any source on any display
- Supports resolutions up to 4K@60Hz on all inputs and outputs
- Utilize the physical buttons, RS232, Bi-Directional IR, or Web interface to mange your devices and display layouts
- HDMI 2.0 and HDCP 2.2 compliant

- Embed or extract audio on each HDMI input or output
- Seamless matrix switching
- Auto/manual EDID management Save & recall videowall/matrix scenes
- Up to 8 HDMI inputs and 8 HDMI outputs
- IR matrix routing follows video routing
- Supports multiple video wall configurations on up to 8 displays (two 2x2, four 1x2, one 2x3, one 2x4, etc)

BG-UM-88ANS

8X8 4K 18Gbps UHD Matrix with IP/RS-2323 Control and Audio De-Embedding

The BG-UM-88ANS is an 8x8 4K HDMI matrix switch, supporting resolutions up to 4K@60Hz 4:4:4 is HDCP 1.4 & 2.2 compliant. Featuring 8 HDMI 2.0b inputs and 8 HDMI 2.0b outputs, this device offers 18Gbps uncompressed bandwidth on all HDMI ports.

This matrix can quickly route any of the eight inputs to any of the eight outputs utilizing either the front panel menu, IR remote control, RS-232, or web interface. The control software, connected via RS-232 or the web interface, allows full control with the ability to adjust advanced features including mapping, network settings, and EDID management for easy integration.

Audio de-embed from any of the 8 coax audio outputs, which all provide multi-channel digital audio (up to 7.1-channel). The supported various audio formats include LPCM, Dolby TrueHD, and DTS-HD® Master Audio.

FEATURES

- Compliant with HDMI 2.0b, HDCP 2.2, HDCP 1.4
- Supports resolutions up to 4K@60Hz 4:4:4 HDR
- Supports LPCM, Dolby TrueHD, and DTS-HD Master Audio
- Each HDMI output features a digital coax audio output
- Features smart EDID management for easy integration
- Take control using the front panel, IR, RS-232, CEC, Web UI
- Durable metal design built to last
- Route any of the 8 inputs to any of the 8 outputs

- Provide multi channel audio up to 7.1-channel
- 4K – Supports resolutions up to 4K@60Hz 4:4:4 HDR
- Multi-Channel Audio – Supports LPCM, Dolby TrueHD, and DTS-HD Master Audio
- Audio De-Embedding – Each HDMI output features a digital coax audio output
- EDID – Features smart EDID management for easy integration
- Multiple Control Options – Front panel, IR, RS-232, CEC, Web UI

BG-UHD-88M

8X8 4K 18Gbps UHD HDMI Matrix with Downscaling/ARC/Audio Extraction and IP/RS-232 Control

The BG-UHD-88M is an 8x8 4K HDMI matrix switch with audio extraction and ARC support. This versatile matrix can handle resolutions up to 4K2K@60Hz 4:4:4 as well as HDR (4K2K@60 4:2:0 10 bits). This HDCP 2.2 compliant unit is equipped with 8 HDMI 2.0a inputs and 8 HDMI 2.0a outputs. It quickly routes any of the eight inputs to any of the eight outputs including one-to-one or one-to-many configurations.

The BG-UHD-88M offers a wide array of control and compatibility options. The unit allows control via front panel push buttons, IR remote control, RS-232, a Web Interface, or IP control. 3rd party control system drivers for Crestron, Control 4, AMX, and RTI are also available to encompass a wider array of system compatibility.

The smart EDID management also allows for easy integration with legacy displays and to ensure the best image possible. The BG-UHD-88M supports various audio formats including PCM2, Dolby 5.1, and DTS 5.1. Audio can be de-embed by utilizing the 8 coax S/PDIF ports and HDMI ARC capabilities, which all provide multi-channel digital audio (up to 7.1-channels).

FEATURES

- Connect any of the 8 inputs to any of the 8 outputs
- Take control by utilizing front panel buttons, IR remote, RS232, Web Interface, and Control 4
- De-embed audio from any of the 8 Coax S/PDIF outputs up to 7.1 channel
- HDMI 2.0 and HDCP 2.2 compliant to ensure copyright protections

- Stunning image quality up to 4K@60Hz 4:4:4
- Smart EDID to ensure reliable signal quality
- Supports HDR (4K2K@60 4:2:0 10 bits)
- Supported audio Formats: PCM2, Dolby 5.1, DTS 5.1
- Fast response time of 3 to 4 seconds for input switching

BG-UHD-1616M

16X16 4K 18Gbps UHD HDMI Matrix with Advance EDID/Downscaling/CEC/IP and RS-232 Control

The BG-UHD-1616M is a 4K HDMI matrix switcher which supports video and audio from up to 16 sources to up to 16 HDMI displays. With this matrix, users can switch which display uses which input, enabling a great deal of control over many displays at once.

This matrix supports HDMI 2.0b and HDCP 2.2/1.x. The BG-UHD-1616M supports resolutions as high as 4K2K@60Hz (YUV 4:4:4) on all HDMI ports, ensuring a clear picture if using high quality inputs. All video outputs are capable of downscaling 4K video to 1080p if necessary and this matrix has a maximum video bandwidth of 18Gbps. Put together, these features ensure the delivery of pristine uncompressed video transmission to up to 16 displays.

The BG-UHD-1616M supports HDMI audio pass-through up to 7.1 CH HD audio (LPCM, Dolby TrueHD, and DTS-HD Master Audio). Audio can be extracted via corresponding digital coax ports for each HDMI output. This provides additional functionality for operators looking to send audio to external devices to individual zones.

FEATURES

- Supports resolutions up to 4K@60Hz 4:4:4
- 16x16 Video Matrix: View any source on any display
- HDMI 2.0, HDCP 2.2
- Dolby Vision, HDR10+, and HLG support
- De-Embed audio using S/PDIF Digital Coax
- Support 4K-1080P Down Scaler for each output port

- Front panel buttons, RS232, IR, CEC, IP, and Web GUI for control
- HDMI audio pass-through up to 7.1CH HD audio (LPCM, Dolby TrueHD and DTS-HD Master Audio)
- ARC, CEC and smart EDID management are supported

BG-4K-VP44

4X4 4K 18Gbps 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.

Connectivity and Quality
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.

Control
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.

In addition to a full-featured web interface, the BG-4K-VP44 includes control software that can be operated via the RS-232 connection. These interfaces allow users to adjust advanced features like EDID management, mapping, and network settings.

FEATURES

- 4x HDMI Inputs which can be independently routed to HDMI Outputs. No switching delay or picture loss during transitions
- Supports resolution up to 4K@60Hz 4:4:4
- Supports Video Wall up to 7 different modes with each monitor with 4K@60Hz 4:4:4 resolution
- It can display 4 pictures on he same screen and has multiple split display modes

- Supports HDMI audio formats including Dolby-5.1, DTS-5.1
- Analog audio extraction, and the audio can be independently switching
- Compliant HDCP 2.2 with EDID management
- Control via panel button, Remote Control, RS232 Control, TCP/IP Control

BG-4K-VP88

8X8 4K 18Gbps 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.

Connectivity and Quality
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.

Control
The BG-4K-VP88 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.
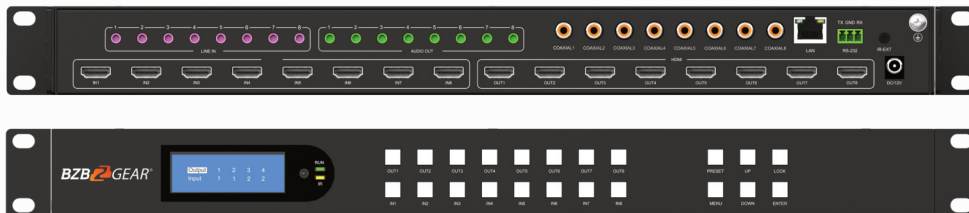
In addition to a full-featured web interface, the BG-4K-VP88 includes control software that can be operated via the RS-232 connection. These interfaces allow users to adjust advanced features like EDID management, mapping, and network settings.

FEATURES

- 8x HDMI Inputs which can be independently routed to HDMI Outputs. No switching delay or picture loss during transitions
- Supports resolution up to 4K@60Hz 4:4:4
- Supports Video Wall up to 7 different modes with each monitor with 4K@60Hz 4:4:4 resolution
- It can display 8 pictures on he same screen and has multiple split display modes

- Supports HDMI audio formats including Dolby-5.1, DTS-5.1
- Analog audio extraction, and the audio can be independently switching
- Compliant HDCP 2.2 with EDID management
- Control via panel button, Remote Control, RS232 Control, TCP/IP Control

BG-8K-22MA

2X2 Matrix 8K@60Hz UHD HDMI2.1 with Audio De-embedder (4K@120Hz 4:4:4 10bit 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 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. This feature makes this matrix switcher a great solution for gaming enthusiasts, who require the best quality picture and a seamless visual experience.

FEATURES

- HDMI 2.1 and HDCP 2.3 compliant
- Support 40Gbps video bandwidth
- Support video resolution up to 8K@60Hz 4:2:0 10bit, 8K@30Hz 4:4:4 10bit, 4K@120Hz 4:4:4 10bit VRR, FVA, ALLM supported
- Support HDR, HDR10, HDR10+, Dolby Vision, HLG pass through
- Compact design for easy and flexible installation
- Advanced EDID management

- Support HDMI audio formats: LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
- Built-in Equalizer, Retiming and Driver
- Support audio de-embedding function (output through the optical and analog port)
- Support IR remote control and front panel button switching

BG-8K-42MA

4×2 8K UHD HDMI 2.1 Matrix Switcher with Audio De-embedder (8K60, 4K120 4:4:4 10bit 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.

FEATURES

- Video resolution up to 8K@60Hz 4:2:0 10bit, 8K@30Hz 4:4:4 10bit, 4K@120Hz4:4:4 10bit
- 8K->4K, 8K/4K->2K downscaling
- IR remote control and front panel button switching
- HDMI 2.1 and HDCP 2.3 compliant
- LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
- Supports 40Gbps of video bandwidth
- VRR, FVA, ALLM
- HDR, HDR10, HDR10+, Dolby Vision, HLG pass-through

- INPUT 1 and OUTPUT 1 ports support ARC/eARC
- Allows HD audio up to Dolby Atmos/DTS:X over TrueHD from ANY external HDMI source to a supported eARC/ARC sound system
- Audio de-embedding (output through the optical and analog port)
- Built-in EDID DIP switches support advanced EDID management
- Built-in Equalizer, Retiming, and Driver
- Compact design - For easy and flexible installations

BG-8K-44MA

4X4 Matrix 8K@60Hz UHD HDMI2.1 48Gbps with Scaler, Audio De-embedder (4K@120Hz 4:4:4 10bit 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.

Play Games at 4K@120Hz! 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. Whether you're playing competitively or just looking for the most realistic and engaging gaming experience possible, the 8K HDMI 8x8 matrix switcher's support for 4K at 120Hz can help you get the most out of your favorite games.

FEATURES

- Features 4 x HDMI inputs which can be independently routed to 4 x HDMI outputs
- HDMI 2.1a (48Gbps) HDCP 2.3 (and all earlier versions supported)
- Up to 8K@60Hz 4:2:0, 8K@30Hz 4:4:4 and 4K@120Hz 4:4:4
- 8K to 4K or 8K/4K to1080p Down Scaling on all outputs

- HDR, HDR10, HDR10+, Dolby Vision pass through
- VRR, ALLM, QMS, QFT, SBTM are supported
- Digital S/PDIF and Balanced audio output
- Control via front panel, IR, RS-232 and TCP/IP (Web GUI)
- Advanced EDID management

BG-8K-88MA

8X8 Matrix 8K@60Hz UHD HDMI2.1 48Gbps with Scaler, Audio De-embedder (4K@120Hz 4:4:4 10bit 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.

Play Games at 4K@120Hz! 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. Whether you're playing competitively or just looking for the most realistic and engaging gaming experience possible, the 8K HDMI 8x8 matrix switcher's support for 4K at 120Hz can help you get the most out of your favorite games.
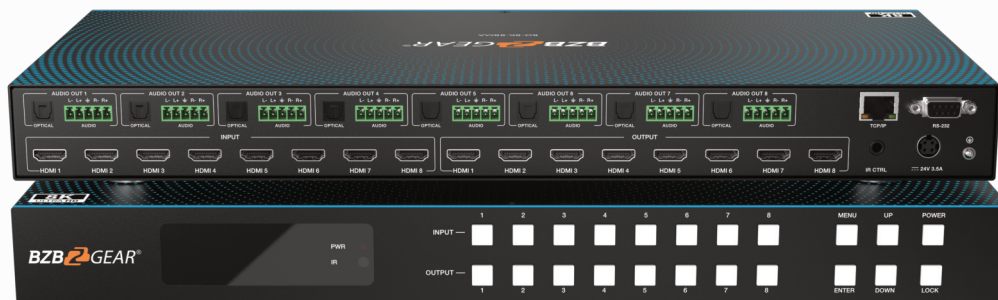
FEATURES

- Features 8 x HDMI inputs which can be independently routed to 8 x HDMI outputs
- HDMI 2.1a (48Gbps) HDCP 2.3
- Up to 8K@60Hz 4:2:0, 8K@30Hz 4:4:4 and 4K@120Hz 4:4:4
- 8K to 4K or 8K/4K to1080p Down Scaling on all outputs
- HDR, HDR10, HDR10+, Dolby Vision pass through

- VRR, ALLM, QMS, QFT, SBTM are supported
- Digital S/PDIF and Balanced audio output
- Control via front panel, IR, RS-232 and TCP/IP (Web GUI)
- Advanced EDID management

BG-4K-VP44PRO

4×4 4K UHD Seamless HDMI Matrix Switcher/Video Wall Processor/MultiViewer Over Cat5/6/7
with Scaler/IR/Audio/IP and RS-232

Introducing the BG-4K-VP44PRO 4x4 HDMI 2.0 over CAT5/6/7 Seamless Matrix — equipped with video wall and multi-view modes to make a flexible all-in-one video distribution powerhouse. This advanced device empowers you with unparalleled signal extension capabilities, audio matrixing, and power over cable (PoC) functionality revolutionizing your audiovisual experience.

The BG-4K-VP44PRO's audio matrix capabilities offer unparalleled versatility. Seamlessly distribute audio signals to multiple zones or rooms, creating the perfect soundscape throughout your venue. Host unforgettable events, deliver impactful presentations, or enjoy your favorite music with a level of control that ensures every corner of your space is filled with pristine sound. Equipped with HDMI inputs, RJ45 outputs, and an HDMI loop-out functionality, this seamless matrix provides extensive connectivity options. Immerse yourself in the brilliance of 4K resolution, 4:4:4 color sampling, and 8-bit color depth, all while maintaining HDCP 2.2 compliance and efficient EDID management. Experience your audiovisual content with remarkable clarity, accuracy, and fidelity, captivating your audience like never before.

FEATURES

- Signal Extension: Extend your HDMI 2.0 signals up to 70m(229ft) over Cat5/6/7
- 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
- Advanced EDID management

- LPCM 2.0 Audio format
- 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 8bit, HDCP 2.2
- HDMI Loop out
- Seamless Matrix Mode: 4 in 4 out no switching delay and signal loss
- Control via Panel button, Remote, RS232, TCP/IP Control

BG-4K-VP99PRO

9×9 4K UHD Seamless HDMI Matrix Switcher/Video Wall Processor/MultiViewer Over Cat5/6/7 with Scaler/IR/Audio/IP and RS-232

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.

FEATURES

- Signal Extension: Extent your HDMI signals up to 70m (229ft) over CAT5/6/7 for 4K60Hz and up to 100M (330ft) for 1080P60Hz
- 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: 4K@60Hz

- Loop out
- HDCP 2.2/1.4
- Seamless Matrix Mode: 9 in 9 out no switching delay and no signal loss
- Advanced EDID management
- Control via Panel button, Remote, RS232, TCP/IP Control
- Video wall cascading
- Micro-USB for firmware updates
- Balanced audio extraction

■ LONG-RANGE MATRIX KITS

LEADING EDGE LONG-RANGE MATRIX KITS

BZBGEAR long-range matrix switchers provide a single, centralized point of connection for all your video sources and displays, while also allowing the HDMI signals to be transmitted over a category cable at ranges up to 100M/328ft. If you are running multiple video sources long distances, a long-range matrix kit is necessary. Centralize your devices, clean up messy wires and efficiently run your HDMI signals up to 328ft!

Using built-in EDID management, long-range matrix kits can overcome many of the common problems experienced when using HDMI. EDID management eliminates flickering, distortion, and intermittent connections allowing instantaneous switching between sources. This feature further protects and strengthens your signals, providing peace of mind.

Overall, BZBGEAR offers a variety of long-range matrix kits, that way you can choose one that's just right for your application! Speak with a BZBGEAR representative today.

Long-Range up to 328ft.	Ultra-HD	Auto-Scaling

BG-UM44-150L-KIT

4X4 4K 18Gbps UHD HDMI/HDBaseT Matrix Switcher with 2-Way IR/Advance EDID/Downscaling/IP and RS-232 Control

BG-UM88-150L-KIT

8X8 4K 18Gpbs UHD HDMI/HDBaseT Matrix Switcher with 2-Way IR/Advance EDID/Downscaling/IP and RS-232 Control

These HDMI matrix extenders can connect four HDMI sources to eight output displays (BG-UM44-150L-KIT) and eight HDMI sources to sixteen output displays (BG-UM88-150L-KIT).
The HDBaseT output allows video signals to be extended to longer ranges than a standard HDMI cable. When using 1080p resolution, the signal can travel up to 492ft / 150m and 394ft / 120m at 4K.
The maximum resolution of this matrix is 4K@60Hz (YUV 4:4:4) on all HDMI and HDBaseT ports. Data transmission is lossless and uncompressed, having a maximum bandwidth of 18Gbps, ensuring pure signal transfer for maximum image quality. The devices utilize HDMI 2.0b. It is also HDCP 2.2 and HDCP 1.x compliant.

FEATURES

- Supports resolutions up to 4K@60Hz 4:4:4
- HDR, HDR10, HDR10+, Dolby Vision, HLG are supported
- Support IR matrix
- Audio de-embedded is supported via analog and coax ports
- HDMI audio pass-through up to 7.1CH HD audio (LPCM, Dolby TrueHD and DTS-HD Master Audio)
- HDMI 2.0 and HDCP 2.2 compliant
- 24V POC on all HDBaseT ports
- Support 4K->1080P Down Scaler for each output port
- Advanced EDID management and CEC control are supported
- Control via front panel buttons, RS232, IR, CEC, IP, and Web GUI

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BG-UM44-100M-KIT

4X4 4K 18Gbps UHD HDMI/HDBaseT/Audio Matrix Switcher with 2-Way IR/ARC/Ethernet/IP and RS-232 Control

BG-UM88-100M-KIT

8X8 4K 18Gbps UHD HDMI/HDBaseT/Audio Matrix Switcher with 2-Way IR/ARC/Ethernet/IP and RS-232 Control

These 4K 4X4 (BG-UM44-100M-KIT) and 8X8 (BG-UM88-100M-KIT) HDMI HDBaseT matrix switches feature HDMI outputs mirrored to simultaneous HDBaseT outputs. The HDBaseT outputs can extend a 4K@60Hz 4:4:4 video signal at distances up to 328 feet (100 meters) over a single Cat5e/6/7 cable.

These products are equipped with many advanced features including a 4K to 1080P down-scaler as well as smart EDID management for easy integration. This unit also offers audio de-embedding from any of the HDMI sources via analog audio and digital coaxial audio outputs. Each extender features bi-directional IR, RS-232, and 2 LAN ports for IP control. The base unit can be operated using the front panel controls and OLED screen as well as IR, RS-232, IP control, and web interface.

FEATURES

- Supports resolutions up to 4K@60Hz 4:4:4
- HDMI 2.0 and HDCP 2.2 to ensure copyright protections
- Rich colors with Dolby Vision, HDR, HDR10+, and HLG support
- Transmit 4K video up to 328ft via a single CAT 5E/6/7 cable
- Take control using Bi-Directional IR, physical buttons, RS232, TCP/IP, or Web interface
- Supports 4K->1080P Down-Scaling

- Broadcast any of the inputs to any of the mirrored HDMI/HDBaseT outputs simultaneously
- HDMI audio pass-through up to 7.1CH HD audio (LPCM, Dolby TrueHD and DTS-HD Master Audio)
- Supports ARC functionality on local HDMI and HDBaseT outputs IR matrix and Audio matrix are supported
- Smart EDID management 24V power over Cat5e/6/7 on all HDBaseT ports

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HDMI EXTENDERS OVER CATEGORY CABLE

THE FUTURE OF HDMI EXTENDERS OVER ETHERNET

Beyond 50 feet HDMI becomes unreliable and can result in intermittent connections, reduced resolution, or sometimes no connection at all. This is where HDMI extenders step in. The HDMI extender over cat6 can reach up to 100 meters / 328 ft. A cat6 cable is also capable of carrying the data from the HDMI cable over a longer distance without interference. That is 6 times the distance of an HDMI cable while providing the same great quality!

HDMI Extenders can greatly reduce the labor involved in the installation process. In addition to the distance limitation of HDMI cables; they can also be expensive, bulky, and fragile. It's not uncommon for HDMI cables to be damaged beyond repair during installation. Category cables are smaller and more durable, making them better suited for custom installation. Additionally, extenders with the HDBaseT standard provide support for audio, video, power, control, and a network connection over a cat6 cable. This standard also supports 100 watts of power over cat6, which is 100 watts over 100 meters / 328 feet!

Overall, HDMI Extenders over category cables are a great choice for future-proofing your system. Simplify and improve your system today!

Long-Range up to 492 ft.	4K UHD	Easy Installation

BG-EXH-50C

4K 18Gbps UHD HDMI Extender Over Category 5e/6/7 Cable with Single Directional IR up to 165ft

- HDMI 2.0 and HDCP 2.2 compliant to ensure copyright protections
- PoC: Only one of the units, TX or RX, needs to be plugged into AC power
- Supports HDR, HDR10+, Dolby Vision, and HLG
- Connect a local display to view content on the transmitter side
- View crystal clear 4K@60Hz 4:4:4 images up to 164ft
- Durable metal structure built to withstand years of operation
- Supports 18Gbps bandwidth
- Supports one-way IR pass-through
- Compact design for easy and flexible installation

BG-EXH-70C

4K 18Gbps UHD HDMI Extender Over Category 5e/6/7 Cable with 2-Way IR/Audio De-embedding up to 230ft

- Supports resolutions up to 4K@60Hz
- Transmit 4K HDR 4:4:4 signals up to 230ft over CAT6/6a/7
- Supports LPCM, DTS-HD, DTS Audio, Dolby Digital, and Dolby TrueHD
- Control devices via IR from either the transmitter or receiver side
- Connect an additional display to the transmitter
- Integrated surge protection increases reliability
- Digital audio can be extracted via the optical audio port
- Easy setup, no drivers to install
- Zero Latency

BG-EXH-150C

4K 18Gbps UHD HDMI HDBaseT Extender Over Category 5e/6/7 Cable with 2-Way IR/CEC/POC/RS-232 up to 495ft

FEATURES

- Transmit 1080p up to 492ft and 4K up to 394ft
- Supports resolutions up to 4K@60Hz
- Supports HDR, HDR10+, Dolby Vision, HLG
- PoC: Only one of the units, TX or RX, needs to be plugged into AC power
- Control devices with bi-directional IR, RS-232 and CEC pass-through
- Receiver provides analog audio output for external audio system
- HDCP 2.2 / HDCP 1.4 and DVI 1.0 compliant
- 18Gbps video bandwidth
- HDMI loop output on the transmitter
- Compact design for easy and flexible installation
- Durable metal housing

BG-EXH-70C3

4K 18Gbps UHD HDMI Extender Over Category 5e/6/7 Cable with 2-Way IR/ARC/POC/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.

FEATURES

- Crystal clear images at 4K 60Hz 4:4:4
- Loop-out to view content locally at transmitter side
- Bi-Directional IR - Control devices via IR either from the receiver or transmitter
- HDMI 2.0b and HDCP 2.2 supported to ensure content protection
- HDR, HDR10, HDR10+, Dolby Vision, and HLG supported

- Power Over Cable
- Audio Formats: LPCM 7.1, Dolby True HD, DTS HD Master
- EDID copy pass-through
- ARC and audio de-embedding through S/PDIF optical port on receiver

BG-EXH-70C4

4K 18Gbps UHD HDMI HDBaseT Extender Over Category 5e/6/7 Cable with IR/ARC/POC/RS-232 up to 230ft

The BG-EXH-70C4 is an 18Gbps HDBaseT extender that can transmit HDMI, bi-directional IR control, ARC, and RS-232 control signals up to 70m / 230ft over a single CAT5e/6 cable. The transmitter and receiver are also capable of power over cable(PoC) meaning only one unit in the pair needs a power supply and both are HDMI 2.0b and HDCP 2.2 compliant ensuring content protection.

Thanks to high transfer rates of up to 18Gbps the BG-EXH-70C4 is capable of video resolutions of up to 4K2K @60Hz 4:4:4 providing crystal clear images. The BG-EXH-70C4 also supports ARC and various audio formats such as Dolby 5.1, DTS 5.1, and PCM 2.0. The bi-directional IR signal pass-through enables easy control of a source or display device on either end of the system. This set of robust features in such a compact design makes for easy and flexible installation options.

FEATURES

- Crystal clear images at 4K 60Hz 4:4:4
- Embed audio through S/PDIF optical
- Control devices via IR either from the receiver or transmitter
- HDMI 2.0b and HDCP 2.2 supported to ensure content protection
- Send a 4K signal up to 230ft (70m)
- Power Over Cable
- Rich Colors with HDR, HDR10, HDR10+, Dolby Vision, HLG
- Audio Formats: HDMI: LPCM 7.1CH, Dolby True HD, and DTS-HD Master Optical: Dolby 5.1, DTS 5.1, PCM 2.0

BG-EXH-100C5

4K 18Gbps UHD HDMI HDBaseT Extender Over Category 5e/6/7 Cable with IR/ARC/POC/RS-232/Ethernet up to 330ft

The BG-EXH-100C5 is an 18Gbps HDMI 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 4K2K@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 and each unit also has a LAN port to further limit the need for extra cable runs. The system also 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.

FEATURES

- Crystal clear images at 4K 60Hz 4:4:4
- Control devices via IR either from the receiver or transmitter
- Embed audio through S/PDIF optical
- Send a 4K signal up to 328ft (100m)
- ARC and audio de-embedding through S/PDIF optical port on receiver

- HDCP 2.2 supported to ensure content protection
- Power Over Cable
- Rich Colors with HDR, HDR10, HDR10+, Dolby Vision, HLG
- 3.5mm mini stereo audio output on receiver
- Rich Colors with HDR, HDR10+, Dolby Vision, HLG

BG-EXH-100C6

**4K 18Gbps UHD HDMI HDBaseT 3.0 Extender Over Category 6/7 Cable
with IR/eARC/ARC/POC/Ethernet/USB/RS-232 up to 330ft**

The BG-EXH-100C6 is an HDBaseT 3.0 extender that transmits uncompressed HD/UHD audio / video, eARC/ARC, RS-232, bi-directional IR, 1Gb Ethernet, and USB 2.0 signals up to a distance of 328ft(100m) using a single CAT6A/7 cable. Featuring USB 2.0 host/device configurability allows for a flexible KVM solution. Bi-directional PoC helps to eliminate the need for extra power adaptors.

The BG-EXH-100C6 is capable of extending resolutions up to 4K@60Hz 4:4:4 and HDR, HDR10, HDR10+, Dolby Vision and HLG ensure the absolute best picture quality possible. The transmitter supports audio embedding or de-embedding, while the receiver supports audio de-embedding. The extenders also support eARC/ARC from the receiver's HDMI output and passes through to the transmitter's HDMI input, or de-embedding to the transmitter's HDMI audio only and SPDIF output ports.

FEATURES

- Crystal clear images at 4K 60Hz 4:4:4
- Loop-out to view content locally at transmitter side
- HDR, HDR10, HDR10+, Dolby Vision, and HLG supported
- Control devices via IR either from the receiver or transmitter
- HDMI 2.0b and HDCP 2.2 supported to ensure content protection
- Power Over Cable
- Transmit signals up to 328ft (100m)

- Utilize two USB 2.0 ports on both transmitter and receiver
- Audio Embedding and de-embedding through S/PDIF optical port and 3.5mm stereo mini on transmitter
- HDMI ARC from receiver to transmitter
- LED lights on transmitter and receiver to verify connection status at a glance
- 1Gbps LAN ports on receiver and transmitter to connect extra devices to a network

HDMI EXTENDERS OVER COAX RG6 CABLE

GO THE DISTANCE WITH HDMI EXTENDERS OVER COAXIAL

With a coax cable, you will be able to extend your HDMI signal up to 10km/6 miles! Running your HDMI signal over coaxial will not have a negative impact on your output quality. This is a great solution for those running cables between buildings or operating in very large venues. The BZBGEAR difference is, all of our equipment is made specifically for professional AV and broadcasting applications, so quality and longevity are a guarantee!

Coaxial cables are typically inexpensive, easy to install, easy to expand, durable, and have a 10Mbps capacity. By implementing an HDMI over coax extender, you are maximizing distance while retaining quality, all without breaking the bank!

Overall, HDMI Extenders over coax cables are a great choice for future-proofing your system. Simplify and improve your system today!

Long-Range up to 492 ft.	4K UHD	Easy Installation

BG-EXHOC

4K UHD 18Gbps HDMI Extender Over Single Coax Cable with 2-Way IR up to 363ft

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. 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.

FEATURES

- Supports resolutions up to 4K@60Hz 4:4:4
- Extend uncompressed HDMI up to 363 feet (110m)
- HDMI 2.0 and HDCP 2.2 compliant to ensure copyright protections
- Bi-Directional IR Passthrough
- Dolby TrueHD, DTS-HD, Dolby Digital Plus, and LPCM 7.1

- Locking BNC and power connectors prevent accidental disconnects
- Uncompressed HDMI over Coaxial cable transmission
- Auto signal equalization
- Wall mounting housing design for easy and robust installation

KVM/USB EXTENDERS OVER CATEGORY CABLE

ADVANCED KVM/USB EXTENDERS OVER CATEGORY CABLE

BZBGEAR KVM Extenders enable users to remotely control a computer from a display located in a separate location up to 70 meters away. Additionally, users will be able to find their computer out of sight and maximize their available work area! Similarly, BZBGEAR USB Extenders allow users to connect USB 2.0 peripherals at distances up to 100 meters/330 feet. Devices like printers, scanners, media players, and external storage drives can be placed in convenient locations, eliminating unnecessary workspace clutter. Whether you need to extend your workspace or organize it, we have the solution for you!

The remote access abilities that KVM extenders provide allow for the safeguarding of critical computers. These computers can be placed in a secure location to protect them from theft, damage, or unauthorized users. When combined with a switching power supply, access to the control station can be monitored.

Overall, KVM/USB Extenders over Category can greatly improve workspaces, strengthen security and provide cleaner setups.

	Long-Range up to 230 ft.		4K UHD		Easy Installation

BG-USB-MR80

4-Port USB 2.0 Extender Over Single CAT5E/6/7 Cable up to 260ft

- No drivers needed
- USB 2.0 - 480Mb/s transfer speed
- Extends USB 2.0 signal up to 264 feet
- Add or remove devices without rebooting
- Share connection with up to four devices
- Metal housing for extra durability
- Dipswitches to control signal strength
- Connect up to 4 devices to a computer up to 264ft away
- RJ45 - Uses a single standard category cable

BG-USB-LR100

USB 2.0 Extender Over Single CAT5E/6/7 Cable up to 330ft

FEATURES

- No drivers needed
- USB 2.0 - 480Mb/s transfer speed
- Extends USB 2.0 signal up to 328 feet
- Share a single USB connection with two devices at a long distance
- Durable metal enclosure designed to last for years of operation

- Power over Cable eliminates the need for a second power supply
- Locking power supply ensures reliable connection
- Supports two USB 2.0 devices such as access controls, printers, mouse/keyboard, etc.
- Compact design for easy and flexible installation

BG-EXHKVM-70C

4K 18Gbps UHD HDMI/USB KVM Extender Over Category 5e/6/7 Cable with Bi-directional IR/Audio De-embedding up to 230ft

With a new IPCOLOR technology (a global leading and innovative protocol for UHD video digital transmission with lossless compression) this extender is capable of transmitting HDMI and USB signals with zero latency (gamers loved it) across distances of up to 70 meters (230 ft) over a single Cat6/6a/7 cable.

If your computer makes uncomfortable level of noise and you want to send it away to the basement and work peacefully in your office, or if your company policies require your workstation to be locked in server room – these are exactly why KVM extender was created. When you need to separate your PC and your Display/Keyboard&Mouse for a long distance this device will serve you well.

You can use USB connectors on the receiver not only for your mouse and keyboard, but also for any USB 2.0 devices, like storage drives or web camera. S/PDIF connector on the receiver will de-embed audio signal from HDMI, so you can connect your local audio system.

FEATURES

- Supports resolutions up to 4K@60Hz
- Digital audio can be extracted via the optical audio port
- Remotely control a PC from the display side with a keyboard and mouse
- Easy setup, no drivers to install
- Connect an additional display to the transmitter

- Integrated surge protection increases reliability
- Supports HDMI 2.0a, compatible with HDCP 2.2 and HDCP 1.4
- Supports auto down-scaling to match display resolution
- Supports uncompressed 4K@60Hz 4:4:4 with HDR10 and zero latency

BG-EXH-100C6

**4K 18Gbps UHD HDMI HDBaseT 3.0 Extender Over Category 6/7 Cable
with IR/eARC/ARC/POC/Ethernet/USB/RS-232 up to 330ft**

The BG-EXH-100C6 is an HDBaseT 3.0 extender that transmits uncompressed HD/UHD audio / video, eARC/ARC, RS-232, bi-directional IR, 1Gb Ethernet, and USB 2.0 signals up to a distance of 328ft(100m) using a single CAT6A/7 cable. Featuring USB 2.0 host/device configurability allows for a flexible KVM solution. Bi-directional PoC helps to eliminate the need for extra power adaptors.

The BG-EXH-100C6 is capable of extending resolutions up to 4K@60Hz 4:4:4 and HDR, HDR10, HDR10+, Dolby Vision and HLG ensure the absolute best picture quality possible. The transmitter supports audio embedding or de-embedding, while the receiver supports audio de-embedding. The extenders also support eARC/ARC from the receiver's HDMI output and passes through to the transmitter's HDMI input, or de-embedding to the transmitter's HDMI audio only and SPDIF output ports.

FEATURES

- Crystal clear images at 4K 60Hz 4:4:4
- Loop-out to view content locally at transmitter side
- HDR, HDR10, HDR10+, Dolby Vision, and HLG supported
- Control devices via IR either from the receiver or transmitter
- HDMI 2.0b and HDCP 2.2 supported to ensure content protection
- Power Over Cable
- Transmit signals up to 328ft (100m)

- Utilize two USB 2.0 ports on both transmitter and receiver
- Audio Embedding and de-embedding through S/PDIF optical port and 3.5mm stereo mini on transmitter
- HDMI ARC from receiver to transmitter
- LED lights on transmitter and receiver to verify connection status at a glance
- 1Gbps LAN ports on receiver and transmitter to connect extra devices to a network

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FIBER OPTIC EXTENDERS

FEATURE PACKED FIBER OPTIC EXTENDERS

It's data transmission in the form of light! The distance limitations imposed by modern A/V connections pose challenges when attempting to install equipment across large campuses. BZBGEAR Fiber Optic extenders solve this problem, enabling SDI/HDMI signals to be transmitted at distances up to 10km (6.2 miles) over a single-mode fiber connection! How does this work? Your HDMI or SDI signal will be transmitted over a fiber optic cable. This will enable your fiber optic cable to carry and output your HDMI/SDI signal to a display.

When you need to supercharge your video signal, fiber optic extenders are the answer. Sending A/V signals over fiber optics greatly increases transmission rates and distances. Furthermore, all BZBGEAR equipment is designed and manufactured for professional applications, so quality and longevity are guaranteed.

Overall, BZBGEAR fiber optic extenders are your best choice for transferring SDI/HDMI signals at extreme distances. Contact a BZBGEAR representative and get set up today!

Extreme-Range up to 6.25 miles   **4K** 4K UHD   **Locking Cables**

BG-FES12G

4K/1080P 12G/6G/3G/HD/SD-SDI over Single Mode SFP-Type Fiber Optic Extender

TAA
COMPLIANT

The BG-FES12G is an SDI over single mode SFP-type fiber optic extender. This device can extend multiple SDI formats (12G/6G/3G/HD) with embedded audio up to 10 km (6.25 miles) over a single-mode fiber optic cable with transmission speeds up to 11.88 Gbps.

Both transmitter and receiver units provide equalizing and re-clocking for consistent signal quality. The transmitter is also equipped with a convenient SDI loop-out for a local display. The locking power supply on both units ensures reliable connection.

FEATURES

- 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
- Extend signal up to 10 km/6.25 miles
- Single-Mode SFP

- Ensures reliable connection for power and video
- SDI Loop-out on Transmitter to view content locally
- Immune to RP-198 pathological patters
- Automatic Re-clocking - Maintains solid signal lock

BG-EXUF

4-Port USB3.1/2.0/1.1 KVM SuperSpeed Fiber Extender up to 1000ft

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.

FEATURES

- Send USB 3.1 up to 100m (328ft) and USB 2.0/1.1 up to 6.2mi (10km)
- Transmits audio and video signals over single-mode or OM3 multi-mode fiber
- Up to 5Gbps using USB 3.1
- Compatible with USB 3.1/2.0/1.1
- Converts USB 3.1 to optical fiber without latency
- USB 2.0 data transfer rate: 480Mbps

- USB 1.1 data transfer rate: 12Mbps
- 4 USB 3.1 ports
- Anti-electromagnetic interference
- Locking power connector - prevents power from accidentally coming unplugged
- Easily see system link status at a glance
- Metal housing designed to last for years

BG-UHD-18GFE

4K 18Gbps UHD HDMI USB KVM Extender Kit Over fiber w/HDR, 2-Way IR & RS-232

The BG-UHD-18GFE is a 4K HDMI KVM extender capable of transmitting uncompressed 4K@60Hz 4:4:4 HDMI video with USB 2.0 at distances up to 6.25 miles (10km) over single-mode fiber optic cabling. This TAA-compliant device makes it possible to operate a secure remote workstation from long distances, making it ideally suited for use in large campuses, government buildings, and military installations.

Operating over fiber optic cable and supporting 18Gbps HDMI transmission rates, the BG-UHD-18GFE provides lossless video combined with latency-free control. The HDMI 2.0 ports are HDCP 2.2 compliant and support HDR and 3D video signals. In addition to video and KVM functionality, this extender is also equipped with RS-232 and bi-directional IR pass-through.

FEATURES

- Supports 4K@60 HDR (4:4:4)
- Single-mode SFP connection provides pure signal over extreme distances
- Connect 2 remote USB devices
- Supports RS-232 passthrough to extend control signals
- Full 2-way IR passthrough

- Extends HDMI up to 6.25 miles (10km)
- Supports HDCP2.2
- Link LED indicator light
- Wall mounting housing design for easy and robust installation

■ HDMI SPLITTERS

HIGH-QUALITY HDMI SPLITTERS

BZBGEAR HDMI signal splitters are designed to share a single HDMI source with multiple displays. HMDI splitters remove the need for multiple source devices, simplifying installation and adding reliability to a system. The inclusion of an HDMI splitter in your system design also creates a single point of connection for all of your displays, easing troubleshooting and eliminating the messy wiring and clutter that multiple source devices can create.

With BZBGEAR HDMI splitters, splitting your HDMI signal will not result in reduced quality. Our signal splitters simply copy the digital signal, so you can still expect resolutions up to 4K at 60Hz.

Overall, BZBGEAR HDMI splitters make signal splitting simple and efficient. With our large-scale splitters, you can share an HDMI signal with up to 24 displays! Contact a BZBGEAR representative today to get set up.

	Large-Scale Splitters	**4K**	4K UHD		Advanced EDID Management

BG-UHD-SC1X2

1X2 4K 18Gbps UHD Splitter/Scaler with Analog Audio Embedder & Digital Audio De-embedder

The BG-UHD-SC1X2 is a 4K 18Gbps HDMI Splitter with built-in Scaler, specifically designed for installations requiring a single 4K video source to be distributed to multiple displays that have video resolution limits. The BG-UHD-SC1X2 supports down-scaling of 4K video to a fixed resolution of 1080p or to a lower color gamut if the screen does not support 4K (4:4:4) using the HDMI Scaler Port. It also offers audio Embedding and De-embedding, advanced EDID management and is HDCP 2.2 compliant.

HDMI output 1 supports to down-scale the video to the following formats:
- 1080P@24/25/30/60Hz (for screens that do not support 4K)
- 4K@50/60Hz 4:2:0 (for screens that do not support full 4K@60Hz 4:4:4)

FEATURES

- 4K pass-through supports 4K@60Hz 4:4:4
- 1x HDMI Input and 2 HDMI Outputs
- Scale a 4K signal to 1080P automatically
- Embed audio using 3.5mm stereo or de-embed using 3.5mm stereo or S/PDIF digital Coaxial
- Durable metal enclosure built to last for years

- Locking power connection to ensure device stays plugged in
- Advanced EDID management
- HDCP 2.2 compliant
- Slim design

BG-DA-1X2AS

1X2 4K 18Gbps UHD HDMI Splitter with Downscaling and Audio De-Embedding

- Supports resolutions up to 4K@60Hz 4:4:4
- HDMI audio extraction via optical and 3.5mm ports
- HDMI 2.0b, HDCP2.2/HDCP1.4 compliant
- Selectable 4K to 1080P downscaling feature
- EDID dip switches ensure each output maintains a stable connection
- Simple for anyone to learn
- Supports output bypass and 4K->1080P downscaling via dip switches
- EDID can be selected COPY and AUTO modes via dip switch (COPY: It copies OUT 1 port EDID settings to all output ports; AUTO: Compares OUT 1 and OUT 2 EDID settings and outputs the best resolution to all outputs)
- Supports HDMI audio formats LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX,DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD

BG-DA-1X4AS

1X4 4K 18Gbps UHD HDMI Splitter with Downscaling and Audio De-Embedding

- Images with resolutions up to 4K@60Hz
- Route once source to four separate HDMI outputs
- Control individiual outputs to downscale from 4K to 1080P using dipswitches
- Sturdy metal structure built to withstand years of operation
- HDCP 2.2 complaint to ensure copyright protections
- De-embed audio from HDMI and output via S/PDIF or 3.5mm
- EDID Copy, Auto, and Output downscaling via dip switches on panel
- 3.5mm stereo & S/PDIF optical output supports a variety of formats
- LED indicator lights to easily view HDMI connection status

BZB-DA-14

1X4 4K 18Gbps UHD HDMI Splitter with HDMI 2.0b, HDCP 2.2, HDR & 3D Support

- Supports resolutions up to 4K2K@60Hz 4:4:4
- Supports LPCM 7.1CH, Dolby TrueHD, DTS-HD
- Eliminates connectivity issues
- Easily installed in tight spaces
- 18Gbps transfer rate
- Supports up to 4 displays
- HDMI 2.0b, HDCP 2.2 compliant
- Supports 3D video formats up to 4K2K@30Hz
- Supports high resolution VESA mode video format up to QSXGA@60Hz

BG-UHD-DA2X8

2X8 4K 18Gbps UHD HDMI Splitter/Distribution Amplifier with Downscaling/Audio De-Embedding and CEC Control

- Supports resolutions up to 4K@ 60 Hz with 4:4:4 Chroma sampling
- Supports 4k to 1080p down-scaling
- Eliminates HDMI connection issues
- Easily adjust audio output signal
- Easily toggle between sources
- Features RCA and Toslink outputs
- HDMI inputs support HDCP 2.2 and the outputs support HDCP1.4
- 18Gbps high bandwidth
- Built-in equalizer for signal enhancement to avoid signal attenuation in transmission
- Supports CEC control to turn on/off displays and adjust their volume
- Provides LEDs to indicate the current operating status and to assist troubleshooting and installation

BG-UHD-DA1X16

1X16 4K 18Gbps UHD HDMI Splitter with Downscaling/Audio De-Embedding/RS-232 and AOC Cables Support

- Images with resolutions up to 4K@60Hz
- Route once source to as many as 16 HDMI outputs
- Automatic downscaling to 1080p for legacy displays
- Sturdy metal structure built to withstand years of operation
- HDCP 2.2 complaint to ensure copyright protections
- De-embed audio from HDMI and output via Stereo RCA
- Supports 4:4:4 8bit, HDR 10, Dolby Vision
- Smart EDID management
- AOC HDMI supported for cable runs up to 165ft

BG-UHD-DA1X24

1X24 4K 18Gbps UHD HDMI Splitter with Downscaling/Audio De-Embedding/RS-232 and AOC Cables Support

- Images with resolutions up to 4K@60Hz
- Route once source to as many as 24 HDMI outputs
- Automatic downscaling to 1080p for legacy displays
- Sturdy metal structure built to withstand years of operation
- HDCP 2.2 complaint to ensure copyright protections
- De-embed audio from HDMI and output via Stereo RCA
- Supports 4:4:4 8bit, HDR 10, and Dolby Vision
- Smart EDID management
- AOC HDMI supported for cable runs up to 165ft

BG-8K-DA12A/14A

8K 60hz HDMI Splitters with Audio De-embedding

The BG-8K-DA HDMI Splitters allow you to share a single HDMI source with multiple displays, providing high-quality video up to 8K resolution at 60Hz with 4:2:0 chroma subsampling. It also features advanced EDID management and audio de-embedding, allowing you to output audio through the optical and analog ports.

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-DA splitters 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 splitter's support for 4K at 120Hz can help you get the most out of your favorite games.

FEATURES

- HDMI 2.1: video resolution up to 8K@60Hz 4:2:0 10bit
- HDCP 2.3 compliant
- Advanced EDID management
- Support audio de-embedding function

- Comes in 1x2 and 1x4 configurations
- Compact design for easy and flexible installation
- HDR - Support HDR, HDR10, HDR10+, Dolby Vision, HLG pass through

SDI SPLITTERS

HIGH-QUALITY SDI SPLITTERS

BZBGEAR HD SDI splitters are designed to share a single SDI source to multiple displays. These devices are designed with independently buffered and re-clocked outputs to eliminate jitter and extend SDI transmission distance. This results in lossless splitting, preserving video quality for all connected displays. With support for 12G SDI, BZBGEAR SDI splitters provide connectivity for multiple displays at resolutions up to 4K@60Hz, ensuring you deliver pristine image quality to your viewers.

With BZBGEAR SDI splitters, splitting your SDI signal will not result in reduced quality. Our signal splitters simply copy the digital signal, so you can still expect resolutions up to 4K at 60Hz.

Overall, BZBGEAR SDI splitters make signal splitting simple and efficient. Select models will enable you to share your SDI signal with up to 8 displays! Contact a BZBGEAR representative today to get set up.

Supports Multiple SDI Formats	4K UHD	Buffered and Re-Clocked Outputs

BG-3GS12

1080P Full HD 3G-SDI 1X2 SPLITTER

BG-3GS14

1080P Full HD 3G-SDI 1X4 SPLITTER

The BG-3GS12 is a 1x2 3G-SDI splitter that splits one SDI input to two SDI outputs simultaneously, and BG-3GS14 is a 1x4 3G-SDI splitter that splits one SDI input to four SDI outputs simultaneously. With a signal relocking feature it can also extend a video signal for long distance transmission. This reliable and powerful tool provides consistent connections in a variety of different scenarios, like adding a multiple outputs for monitoring a video feed on different displays, splitting the signal and cascading to multiple displays, or extending an SDI signal.

It supports a maximum resolution of 1080p@60Hz with 3G-SDI signal. The devices also supports a wide range of data rates from 270 Mbps at the low end to a maximum bandwidth of 2.97 Gbps. There is also support for multiple deep color settings such as 8 bit, 10 bit, and 12 bit.

FEATURES

- Crystal clear images with resolutions up to 1080p@60Hz
- Quality and reliable locking SDI connectors ensure your cables are not accidentally unplugged
- Ideal for any on-the-go kit

- Split a single SDI source up to 2 or 4 different SDI displays or devices
- Durable metal structure built to withstand years of operation

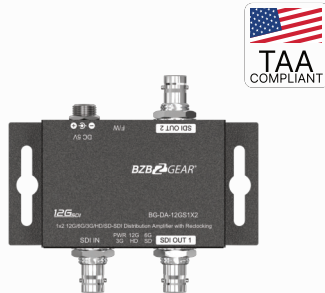| Supports multiple deep color: |
|---|
| SD 480i, 576i and 625i |

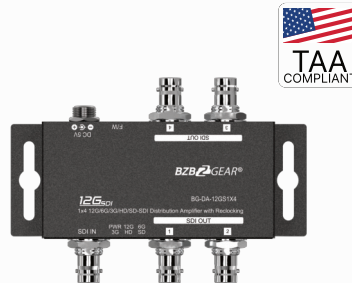| Supports multiple color space: |
|---|
| RGB or YCbCr 4:4:4 sampled |

BG-DA-12GS1X2
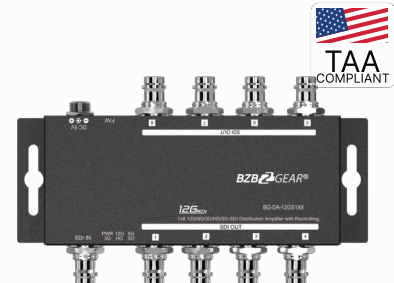4K UHD/1080P FHD
12G-SDI/6G-SDI/3G-SDI 1X2 SPLITTER

BG-DA-12GS1X4
4K UHD/1080P FHD
12G-SDI/6G-SDI/3G-SDI 1X4 SPLITTER

BG-DA-12GS1X8
4K UHD/1080P FHD
12G-SDI/6G-SDI/3G-SDI 1X8 SPLITTER

The BG-DA-12GS1X2, BG-DA-12GS1X4, BG-DA-12GS1X8 are 1X2, 1X4, 1X8 12G-SDI splitters and distribution amplifiers. These device can split an SD, HD, 3G, 6G, or 12G-SDI video source up to 2 / 4 / 8 SDI outputs simultaneously. For any situation where range, quality, consistency, and reliability are all factors, these units are 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 - these devices will help you get the job done.

Each output 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.

These devices have 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 locks and current video rate to reduce the amount of time system configuration is needed.

FEATURES

- 2, 4 or 8 Outputs - Split a single SDI source up to 2, 4, 8 different SDI displays or devices
- Buffered and Re-clocked Outputs - Eliminate jitter and increase transmission distance
- 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

- Durable metal structure built to withstand years of operation
- Locking Connectors - Ensure your video cables do not accidentally come unplugged with locking SDI connectors
- Long Distance - Send a 3G-SDI signal up to 594ft
- Portable - Great for use in the field when you need multiple displays in different locations

LONG-RANGE HDMI SPLITTERS

INDUSTRY-LEADING LONG-RANGE HDMI SPLITTERS

BZBGEAR long-range HDMI splitters are designed to share a single HDMI source with multiple distant displays. These devices remove the need for numerous source devices, simplify installation, and add reliability to a system. Including a long-distance HDMI splitter in your system design also creates a single point of connection for all of your displays, easing troubleshooting and eliminating the messy wiring and clutter that multiple source devices can create.

BZBGEAR long-distance HDMI splitters come bundled with HDMI extenders, allowing you to send video signals well beyond the 50-foot distance limitation of standard HDMI cables.

Overall, BZBGEAR long-range HDMI splitters make long-distance signal splitting simple and efficient. Select models are HDBaseT compliant, adding additional features and increased reliability. Contact a BZBGEAR representative today and take the first step toward improving your system!

| Long-Range up to 120/150 meters | 4K UHD | Audio Extraction |

BG-HDA-E14

1X4 1080P/4K30 HDMI Splitter/Distribution Amplifier up to 230ft over Single Category 5e/6/7 Cable

BG-HDA-E18

1X8 1080P/4K30 HDMI Splitter/Distribution Amplifier up to 230ft over Single Category 5e/6/7 Cable

The BG-HDA-E14 and BG-HDA-E18 are respectively a 4K 1x4 and 4K 1x8 HDMI splitter kit that can split a single HDMI source signal to four or eight displays at distances up to 70 meters over CAT6 networking cable. This splitter kit is a great choice for users that need to output a single video source like a Blu-ray player, computer, game console, or streaming media player to multiple displays.

FEATURES

- Supports resolutions up to 4K@30Hz
- Power over Cable - Receivers require no power supply
- HDMI 1.4 and HDCP 1.4 compliant to ensure copyright protections
- Multi-channel audio support Dolby TrueHD, DTS-HD, Dolby Digital Plus, and LPCM 7.1
- Control - IR passthrough

- Extend the signal transmission distance up to 164 ft / 50 m at the resolution of 4K@30Hz, or 230 ft / 70 m at 1080P@60Hz via a single CAT6 cable
- Support 1 HDMI input, 1 HDMI loop output and 8 CAT outputs
- Advanced EDID management

BG-UDAIC-E14

1X4 4K60 UHD 18Gbps HDMI Splitter/Distribution Amplifier up to 230ft over Single Category 5e/6/7 Cable

BG-UDAIC-E18

1X8 4K60 UHD 18Gbps HDMI Splitter/Distribution Amplifier up to 230ft over Single Category 5e/6/7 Cable

The BG-UDAIC-E14 and BG-UDAIC-E18 are HDMI extender and splitter kits that distribute one HDMI input to up to four (BG-UDAIC-E14) or up to eight (BG-UDAIC-E18) extender outputs.

The signal can be extended at ranges of up to 70 meters (230 feet) with CAT6 cabling.

FEATURES

- Supports resolutions up to 4K@60Hz
- Audio Return Channel support
- Bi-Directional IR Passthrough
- Transmit HDMI signals up to 70m
- HDMI 2.0 and HDCP 2.2 compliant to ensure copyright protections
- Digital audio provided via TOSLINK connector on receiver
- Zero latency transmission

- Split and extend 1 HDMI input signal to 4 or 8 HDMI outputs
- The transmitter supports HDMI loop out
- Supports EDID passthrough or manually set the EDID of the product
- Supports RS-232 command control
- Surge Protection, Lightning Protection, ESD Protection

BG-UDA-E14

1X4 4K 18Gbps UHD HDMI HDBaset Splitter/Distribution Amplifier over Single Category 5e/6/7 Cable

BG-UDA-E18

1X8 4K 18Gbps UHD HDMI HDBaset Splitter/Distribution Amplifier over Single Category 5e/6/7 Cable

The BG-UDA-E14 and BG-UDA-E18 are respectively a 1x4 and 1x8 4K 18Gbps HDMI 2.0 HDBaseT splitter/extender kit. Supporting resolutions up to 4K@60Hz (4:4:4), these HDCP 2.2 / HDCP 1.x compatible units can split and extend an HDMI signal at distances up to 120 meters at 4K@60Hz or 150 meters at 1080P@60Hz. The transmitter and receivers are both equipped with bi-directional IR and RS-232 pass-through, allowing for both source and display control. The transmitter uses power over cable to energize the receivers, eliminating the need for additional power supplies.

FEATURES

- Ultra HD refers to a TV resolution of 3840 x 2160 pixels
- Supports LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master
- Receivers need no power supply
- Transmit signal up to 120 meters (390 feet)
- Slim components make a clean installation easy
- Multiple selectable EDID modes ensure reliable connectivity

- HDMI 2.0b, HDCP 2.2 and HDCP 1.x compliant
- Support 18Gbps video bandwidth
- Support HDR, HDR10+, HLG and Dolby vision
- Support digital and analog audio de-embedded output
- Support 1 HDMI input, 1 HDMI loop output and 4 or 8 HDBaseT outputs
- IR, RS-232 routed to HDBaseT output

HDMI SIGNAL FIXER

MOST DEPENDABLE HDMI SIGNAL FIXERS

The HDMI signal fixer is a very useful tool for extracting and embedding audio from HDMI sources. This device also features EDID dip switches with the ability to lock the video signal to various formats to ensure great signal quality. This device will make sure your video and audio content are running smoothly!

What is EDID? EDID is what enables your display devices and your sources to communicate their capabilities to each other. With HDMI EDID management, you will be able to monitor EDID for your HDMI sources and displays. The EDID dip switches lock the video signal to various formats to ensure signal quality. In short, EDID management just helps you ensure that everything is working properly at all times.

Overall, BZBGEAR HDMI signal fixers are the perfect tools for ensuring your system is running smoothly and performing at its best. Contact a BZBGEAR representative and start getting the best out of your system today!

EDID Control   Multiple Audio formats   HDCP 2.2 Compliant

BG-AEE

4K 18Gbps UHD HDMI Signal Fixer and Audio Embedder & De-embedder

The BG-AEE is a HDMI 2.0 Audio Extractor and Embedder. It has two modes: audio extraction via L/R output from HDMI input source, and the other mode is for removing the original audio of HDMI source and embedding auxiliary audio via L/R input to the HDMI output. It also features EDID dip switches with the ability to lock the video signal to various formats to ensure signal quality.

FEATURES

- Stunning 4K@60Hz delivers the ultimate in clarity
- Supports HDR for rich colorful images
- Lock in and manage resolutions using EDID dip switches
- Supports audio formats PCM, Dolby, and DTS
- Embed audio to a video through a 3.5mm mini jack
- HDCP 2.2 compliant to ensure copyright protections
- Supports full 3D format
- CEC and ARC pass through
- Audio embed to HDMI output
- Relock and enhance output signal quality
- Audio de-embedded from HDMI input
- ESD protection

CUTTING-EDGE VIDEO CONVERTERS/SCALERS

BZBGEAR signal converters are easy to use. Simply connect your input and output cables, plug in the included power supply, and enjoy flawless signal conversion. Our converters are a great addition to any event technician's toolkit. Their reliability, compact size, and ease of use make them ideal problem solvers!

Whether you need to convert HDMI to SDI or vice versa, BZBGEAR has the perfect solution. Many of our video converters/scalers are also TAA compliant, authorizing them for government use.

Overall, BZBGEAR video converters are easy to implement and provide extensive benefits. Contact a BZBGEAR representative to improve your system today!

Multi-Format Conversion	**Built-To-Last**	**Audio Embedding**

BG-4KHS

4K UHD/1080P FHD HDMI to 12G/6G/3G/HD-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.

FEATURES

- Stunning image quality up to 4K@60Hz
- 4K2K@24/25/30Hz RGB or YCbCr 4:4:4 deep color signal
- Loop out to view content locally at device
- Split an HDMI signal from 1 source to 2 SDI outputs for long range signal transmission
- Embed audio from a 3.5mm Stereo Mini input

- See signal and power status at a glance with built in status lights
- Designed for years of reliable use
- 7.1 or 5.1 channel surround
- Digital conversion of signal ensures lossless transformation for audio and video

BG-4KSH

12G/6G/3G/HD-SDI to 4K UHD/1080P HDMI Converter with SDI Loop-Out and Audio Extraction

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.

FEATURES

- Stunning image quality up to 4k@60Hz
- Convert SDI to HDMI the most popular video interface in the world
- Loop out to view content locally at device
- De-embed audio using a 3.5mm Stereo Mini input

- See signal and power status at a glance with built in status lights
- Loop out to view content locally at device
- 7.1 or 5.1 channel surround
- Digital conversion of signal ensures lossless transformation for audio and video

BG-H3GS

1080P Full HD HDMI to 3G-SDI Long Distance Converter

HDMI In

LED
5 V/DC, 1A

LED
5 V/DC, 1A

The BG-H3GS is a long-distance 1080P HDMI to SDI converter. This unit is designed to convert HDMI signals for use with SDI equipment. It supports resolutions up to 1080p60 at output distances up to 100 meters (3G-SDI), 200 meters (HD-SDI), or 300 meters (SD-SDI). This converter outputs high bit rates of 2.970 Gbps to provide a lossless high-resolution signal.

FEATURES

- Crystal clear images with resolutions up to 1080p@60Hz
- 3G-SDI - Up to 100 meters, HD-SDI - Up to 200 meters, SD-SDI - Up to 300 meters
- HDMI input timings: 480i@59.94, 576i, 720p@50/59.94/60, 1080i@50/59.94/60, 1080p@23.98/24/25/29.97/30/50/59.94/60

- SDI Transmission Rate - 2.970 Gbit/s and 2.970/1.001 Gbit/s
- Portable - Ideal for any on-the-go kit
- Durable metal structure built to withstand years of operation

SDI Out   LED   5 V/DC, 1A

HDMI In

BZB GEAR
BG-H3GS

BG-3GSH

1080P Full HD 3G-SDI to HDMI Long Distance Converter

HDMI Out

LED
5 V/DC, 1A

LED
5 V/DC, 1A

The BG-3GSH is a compact 3G-SDI to HDMI converter. This unit is designed to convert SD-SDI, HD-SDI and 3G-SDI signals for use with HDMI displays. It additionally supports SMPTE 425M, SMPTE 424M, SMPTE 292M, and SMPTE 259M-C formats. Its convenient size makes it a must-have accessory in any technician's gear bag.

FEATURES

- Crystal clear images with resolutions up to 1080p@60Hz
- Operation at 2.970Gbit/s, 1.485Gbit/s and 270Mbits/s
- Supports SMPTE 425M, SMPTE 424M, SMPTE 292M, SMPTE 259M-C
- Integrated audio de-embedder for a maximum of 8 channel, 48 KHz Audio

- Conversion from SMPTE 425M level B to Level A 1080p 50/59.94/60 4:2:2 10-bit
- Equalized and re-clocked loop output
- Connect with other units to extend your signal over long distances
- Durable metal structure built to withstand years of operation

SDI In   LED   5 V/DC, 1A

HDMI Out

BZB GEAR
BG-3GSH

BG-UHD-SCVEA

1080P/4K UHD Multi-Format HDMI/DP/VGA/CVBS/YPbPr to HDMI Scaler and Converter

TAA
COMPLIANT

The BG-UHD-SCVEA is a multi-format 4K UHD scaler converter. This unit is designed to scale and convert multiple analog and digital formats (HDMI/DP/VGA/CVBS/YPbPr) to support HDMI devices. This HDMI 1.4/DP1.1 compliant device supports output resolutions up 4K2K@30 4:4:4 with video bandwidth speeds up 10.2Gbps.

Embed analog audio to the HDMI output via the 3.5mm stereo input. Operate and adjust advanced settings including resolution outputs via the front panel push buttons, IR remote, or the provided control software.

With its versatile array of inputs, the BG-UHD-SCVEA is the perfect solution for users looking to convert legacy media formats for use in a modern A/V system.

FEATURES

- Crystal clear images with resolutions up to 4K2K@30Hz 4:4:4
- Supports Input HDMI1.4 /DP1.1/ VGA/CVBS/YPbPr
- Embed audio using the 3.5mm stereo input
- De-interlacing supported
- Video H/V mirror supported
- Input maximum pixel rate: 165MHz
- Supports video enhancement features
- Supports multiple VESA resolutions

- Over / under scanning adjustable
- Wall-mount housing design for easy installation
- USB firmware upgradable for expanding compatibility
- Use the front panel push buttons, IR remote, or control software
- Durable metal structure built to withstand years of operation
- Portable - Ideal for any on-the-go kit

AUDIO PROCESSORS

BZBGEAR AUDIO PROCESSORS

BZBGEAR Audio Processors provide advanced digital audio matrix routing, I/O management, and quality control features. They include DSP modules, Auto Mixer functions, DANTE ports (on select models), adaptive audio quality settings, and RS-232 control.

BZBGEAR offers two new models: BG-A1616MD and BG-A88M. The BG-A1616MD is ideal for larger audio systems, with or without DANTE-compatible units. The BG-A88M offers similar functionality without DANTE ports and has 8x8 routing.

Overall, BZBGEAR Audio Processors offer advanced features, easy integration, and mounting. Contact a BZBGEAR representative today for more information!
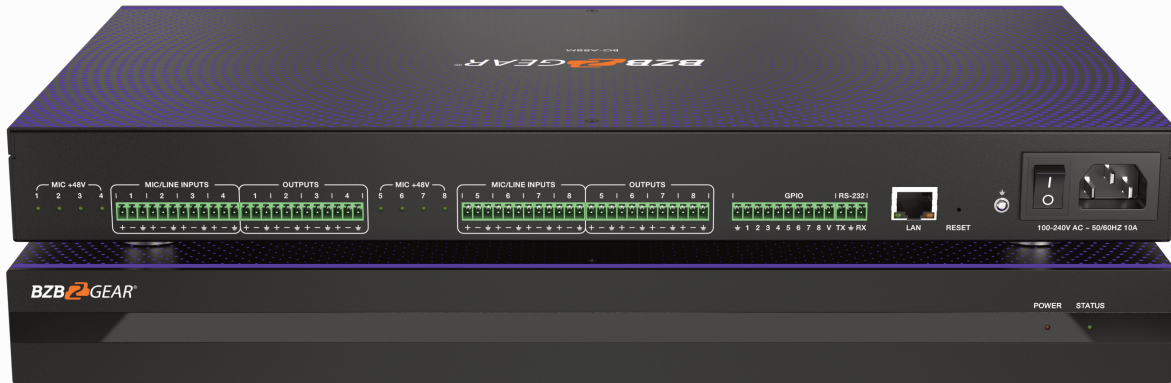
DSP Modules   Simple Integration   Audio Matrix Switching

BG-A88M

8x8 Audio Matrix/Mixer/Digital Audio Processor

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/linear 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.

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.
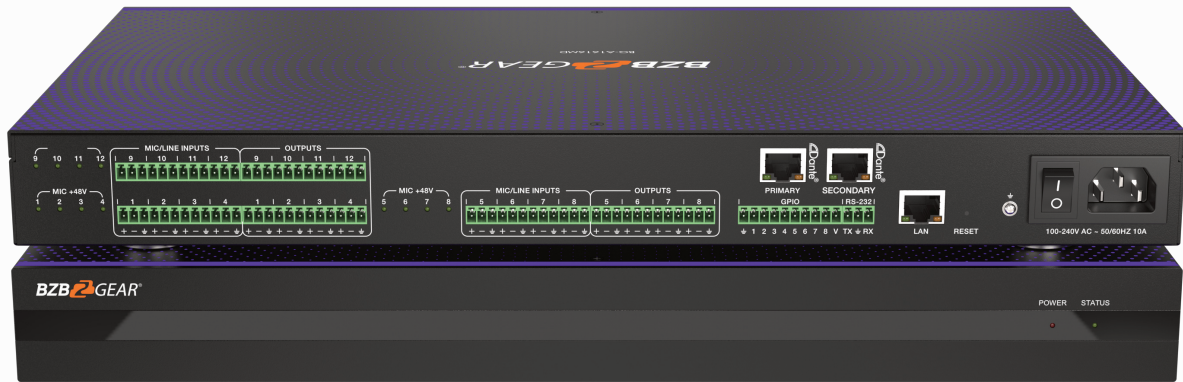
FEATURES

- 8-ch balanced MIC/linear inputs and 8-ch balanced linear outputs
- Dynamic adaptive noise reduction technology
- Capable to switch matrix routings
- Support adaptive feedback suppression function

- Auto Mixer function is provided to set the order of priority when multiple microphones are input at one time
- Support volume control, meter, scene control, etc.

BG-A1616MD

16x16 Audio Matrix/Digital Audio Processor with Dante

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.

With the BG-A1616MD, seamless audio signal routing is made easy. It offers 12-ch balanced/unbalanced MIC/linear inputs and 12-ch balanced/unbalanced linear outputs, allowing for efficient and flexible audio routing.

FEATURES

- Two DANTE ports for low-latency audio processing
- Fine-tuning audio signals with DSP modules
- 12-ch MIC/linear inputs
- Two standard DANTE network audio interfaces
- 48KHz sampling rate and 24-bit A/D or D/A conversion
- Auto Mixer: for prioritizing microphone inputs

INTEGRATION TOOLS

NO MORE GUESSWORK

AV integration tools are a critical, yet often overlooked component of a technician's toolkit. They generate a reliable test signal, allowing technicians to quickly diagnose cabling, equipment, and compatibility issues.

SAVE TIME, SAVE MONEY

Having the means to send a reliable test signal helps technicians instantly identify faulty cabling or equipment, potentially shaving hours of costly labor otherwise wasted on trial-and-error.

SEPARATING THE PROS FROM THE AMATEURS

Just as any reputable automotive technician requires diagnostic tools to work efficiently, AV technicians focused on delivering results should be equipped with the tools to test and confirm equipment functionality.

BG-AVTPG-MINI

1080P/4K UHD HDMI 2.0 18Gbps Portable Signal Test Generator/Analyzer

- Supports video resolution outputs up to 4K2K@60 4:4:4 8bit, HDR 10bits, 12bits, 16bits
- Built-in 3 video patterns
- Both HDMI input and output support up to HDMI 2.0
- Fundamental HDMI feature analysis up to 4K2K@60 4:4:4 8bit HDMI 2.0 input
- HDCP 1.4 & 2.2 compliant
- Provides statistics analysis for cable quality or connection stability
- Battery powered for portability, it can extend operation time with full load up to 3 hours

BG-AVTPG-4K

1080P/4K UHD HDMI 2.0 18Gbps Video Test Pattern Generator/Tester/Analyzer with Ethernet

- 4K2K60 4:4:4 8bit, 4K2K60 4:2:0 16bit HDR pattern generator
- 4.3 touch panel
- Supports mouse control
- Supports user control device through Ethernet
- Firmware update through USB Flash Drive
- Supports user defined pattern up to 2GB
- Embedded LINUX KERNAL system with limitless extension
- Scrambler supported for videos over 340MHz output wise
- Loop test capability to provide statistics analysis for connection stability
- Supports HDMI loop through function
- HDCP test allow verify HDCP of HDMI source and transmit HDCP encrypted video

BG-AVTPG-KIT

BG-AVTPG-4K and BG-AVTPG-MINI Professional 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.

BG-SDITPG-G2

12G/6G/3G/HD/SD-SDI Video Test Pattern Generator

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.

FEATURES

- Intuitive controls - Four buttons, rotary switch and LCD screen
- 12G/6G/3G/HD/SD-SDI
- Still and moving video test patterns
- Supports preset modes for added convenience
- Up to 8 channels of AES-compliant audio at 48KHz sample rate (SMPTE-291M)
- Wide range of output resolutions: NTSC, PAL, 720p, 1080i, 1080p, 4K2K

- Save settings to memory
- Multiple bit rates: 2.97 Gbps, 2.967 Gbps, 1.485 Gbps, 1.4835 Gbps, 5.94Gbps, 5.934Gbps, 11.88Gbps, 11.868Gbps, 270 Mbps
- 10-bit color space for accurate and high-quality testing
- SDI output: SDI, HD-SDI, 3G-SDI, 6G-SDI, 12G-SDI
- Cost-effective: Calibrate and test SDI-enabled video devices and displays

SPECIALTY CABLES

High Quality & High Resolution

HIGH QUALITY

BZBGEAR cables are fabricated to exacting standards and thoroughly tested to ensure reliable performance at rated specifications.

HIGH RESOLUTION

BZBGEAR HDMI and SDI cables offer compatibility at resolutions up to 4K@60 to deliver pristine image quality. Our SDI cables are made in-house and tested before shipping, so our customers can buy with confidence knowing they will perform as advertised.

EXTREME DISTANCE

BZBGEAR Active Optical HDMI and USB cables deliver transmission range far beyond what is achievable with normal cabling. By leveraging fiber optic technology, they are able to deliver reliable, full resolution signals at distances up to 164 feet (50 meters).

These cables are the perfect solution for airports, hospitals, restaurants, hotels, and any place where a longer cable is needed.

SPECIALTY CABLES

BZBGEAR sells SDI, HDMI, and USB cables for our customers' convenience. 3G-SDI cables are 75 ohm shielded coaxial cables with BNC connectors ranging in custom created lengths up to 328ft (100m).

We also offer Active Optical HDMI Cables that support 4K and 8K resolutions, ranging in lengths up to 164ft (50m). For long cable runs, BZBGEAR recommends using Fiber Optic HDMI cables over HDMI extenders to ensure the best overall image quality and reliability. Our USB Active Optic cables support USB 3.0 with speeds up to 5Gbps. They are USB Type-A (Male) to Type-A (Female) extension cables designed to be used with short USB3.0 cables not exceeding 6ft in length.

Quality and functionality are a guarantee when using BZBGEAR cables. Our cables are specially designed for professional AV and broadcasting applications!

1080P FHD 75-OHM SHIELDED SDI CABLE

MODEL: BG-CAB-SDI

Available Lengths: 6ft (2m) - 328ft (100m)

BZBGEAR SDI Cables are made using 75 ohm shielded coaxial cable with high-quality BNC connectors. They are designed to reliably support 3G-SDI cameras and equipment at resolutions up to 1080P over distances up to 100m.

- BNC Connectors – high quality connectors ensure a stable signal
- 1080P HD – transmit signals up to 1080P60
- Long Distance – transmit signals up to 100m
- Tested – 3Ghz sweep tested to guarantee quality

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

MODEL: BG-CAB-SDIS

Available Lengths: 25ft (7.5m) - 328ft (100m)

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.

- Siamese Wire – carries DC power or RS232/485 signal
- 1080P HD – Transmit signals up to 1080P60
- Long Distance – Transmit signals up to 100m
- Tested – 3Ghz sweep tested to guarantee quality

SPECIALTY CABLES

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

MODEL: BG-CAB-12SDI

Available Lengths: 25ft (7.5m) - 250ft (75m)

BZBGEAR SDI cables are made using 75 ohm shielded coaxial cable with high-quality BNC connectors. They are designed to reliably support 12G-SDI cameras and equipment at resolutions up to 4K over distances up to 70m. 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.

- Reliable – designed to handle years of usage
- 4K UHD – transmit signals up to 4K @ 60fps
- Long Distance – transmit signals up to 75m
- Tested – 3Ghz sweep tested to guarantee quality

4K UHD HDMI 2.0 18GBPS ACTIVE OPTICAL CABLE

MODEL: BG-CAB-HA

Available Lengths: 50ft (15m) - 328ft (100m)

Our HDMI Optic cable can carry current HDMI standards, including 3D, 48-bit Deep Color, DTS-HD Master Audio and Dolby True HD signals for top-level PC gaming or for using your HDTV as a PC monitor.

- 4K x 2K 60Hz/fps YUV 4:4:4 at 8bit (18Gbps) Support
- 3D, 4Kx2K, as well as 1080p, 720p, 480p
- DTS-HD Master Audio and Dolby True HD signals

USB 3.0 AM/AF ACTIVE OPTICAL EXTENSION CABLE

MODEL: BG-CAB-U3A

Available Lengths: 33ft (10m) - 164ft (50m)

Our USB Type-A Male to Type-A Female cable adheres to USB 3.0 standards by offering transfer speeds of up to 5 Gb/s. It features full shielding for error-free data transmissions, over-current protection.

- Converts USB data signal to optical signal over fiber
- Supports all USB 3.0 devices (not compatible with USB 2.0/1.1)
- Fully featured optical tranceiver integrated circuit includes a receiver and a transmitter

8K UHD HDMI 2.1 48GBPS ACTIVE OPTICAL CABLE

MODEL: BG-CAB-H21A

Available Lengths: 33ft (10m) - 328ft (100m)

Enjoy a clear 8K picture and multi-channel Audio with our new HDMI 2.1 fiber optic cable. Since a fiber cable is slimmer and more flexible than an HDMI cable, it makes our cable easier to install as it can get to areas that are hard to reach.

- HEAC, ARC and HDR Support
- HDCP 2.2 certified
- DTS-HD Master Audio and Dolby True HD signals
- Support 8K@120Hz, 4K@60Hz, UHD, FHD, 3D, Ethernet, Audio Return Channel, HDR 4:4:4

WHERE TO BUY

BZBGEAR has an extensive network of Authorized Partners that will help you select, integrate, and support our products. To ensure our customers receive professional service and factory-certified products, BZBGEAR maintains a partnership with a select group of Authorized Resellers/Distributors.

BZBGEAR products are often used within a sophisticated AV system and may require configuration, professional installation, and a knowledge of control system integration. In these applications, please consider contacting an Authorized BZBGEAR Partner for your purchase and hiring an experienced AV integration company for assistance with setup.

Authorized online resellers and distributors are listed below.
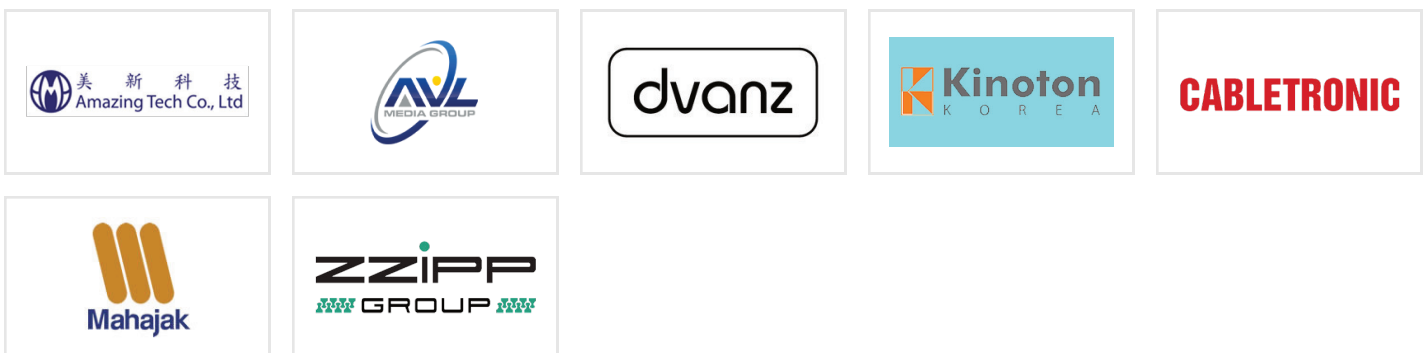
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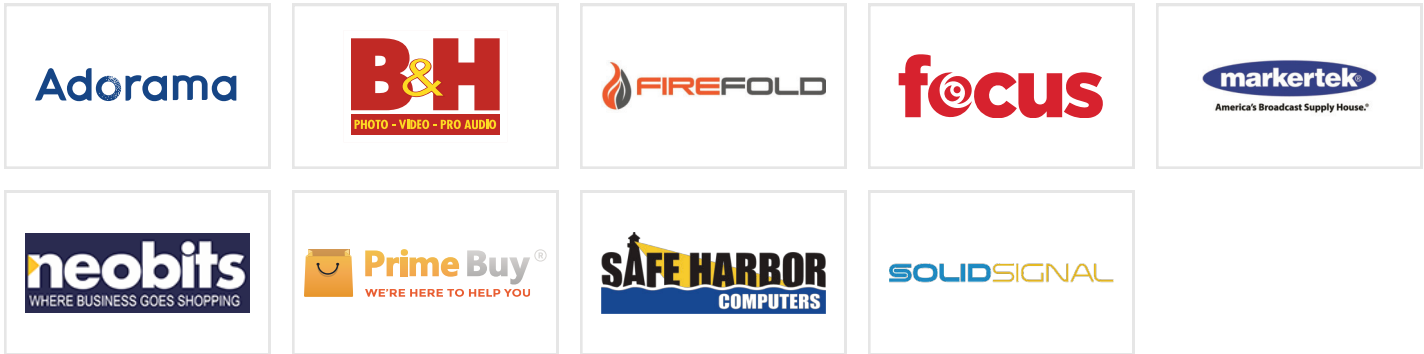
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