

# Catalog 2026

Signal Extenders

# BZBGEAR HDMI Extenders Over Category Cable

BZBGEAR HDMI extenders over category cable provide a reliable solution for transmitting high-quality video and audio signals over long distances using cost-effective Ethernet cables. Whether you are extending 4K or 8K video across a large venue or connecting multiple devices in a corporate environment, BZBGEAR extenders ensure clear, uninterrupted signal transmission. With models supporting advanced features like bidirectional IR, Power over Cable (PoC), audio embedding/de-embedding, and support for formats up to 8K@30Hz and 4K@120Hz, these extenders cater to a wide range of applications, from simple setups to professional AV installations.

What sets BZBGEAR HDMI extenders apart is their diverse range of options and robust performance. Designed to maintain signal integrity over distances of up to 328 feet (100 meters), these extenders leverage advanced HDMI and HDBaseT technology to ensure minimal latency and superior image quality.



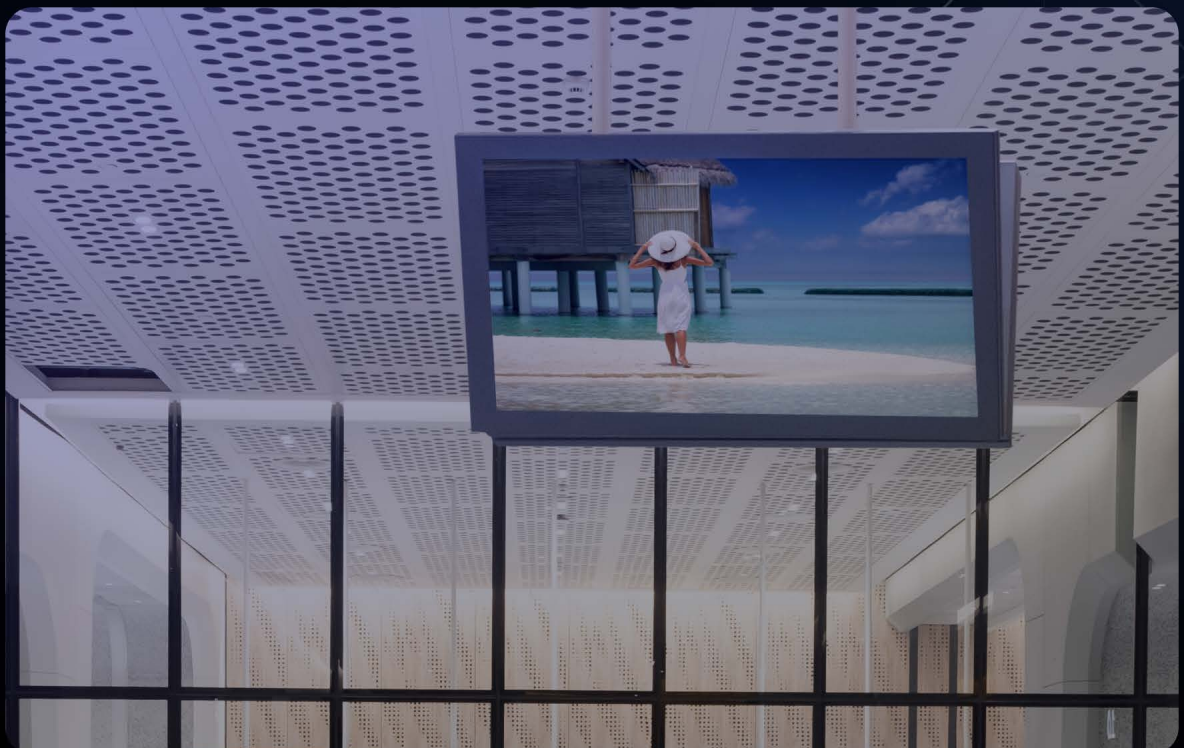
**SIGNAL EXTENSION  
OVER 150 FT**



**4K TO 8K RESOLUTION  
SUPPORT**



**VARIOUS AUDIO  
FORMATS**



BG-EXT-H70P

4K UHD HDMI EXTENDER OVER CAT5E/6 WITH POC/IR/HDMI LOOP OUT UP TO 131FT FOR 4K30

The BG-EXT-H70P is a high-performance HDMI extender designed to deliver uncompressed, zero-latency video and audio signals over long distances using a single CAT6/5e cable.

Supporting resolutions up to 4K@30Hz (YUV 4:4:4) and fully compliant with HDMI 1.4, HDCP 1.4, and DVI 1.0 standards, this extender is an ideal solution for professional AV installations in conference rooms, classrooms, and large-scale display setups.



**HDCP & DVI COMPLIANCE**  
Fully compliant with HDCP 1.4 and DVI 1.0 standards



**4K VIDEO SUPPORT**  
Supports resolutions up to 4K@30Hz (YUV 4:4:4)



**EXTENDED TRANSMISSION DISTANCE**  
Up to 230 ft (1080p) / 131 ft (4K30) over CAT6, and 197 ft (1080p) / 115 ft (4K30) over CAT5e



Check out this item on our website

BG-EXH-50C

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

The BG-EXH-50C HDMI 2.0 extender over a single CAT5/6 cable is a versatile and high-quality solution for extending source signals with resolutions up to 4K@60Hz (4:4:4) for distances of up to 165ft (50m). The device is perfect for a wide range of applications, including home entertainment, commercial installations, and digital signage.

One of the standout features of the BG-EXH-50C is its IR transmission feature, which allows users to control the source of the signal from a remote location. This feature provides greater flexibility and convenience for users who need to control their devices from a distance.



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



**HDCP 2.2**  
High-Bandwidth Digital Content Protection Supported



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



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BG-EXH-150C

4K UHD HDMI HDBASET LONG RANGE  
EXTENDER WITH BI-DIRECTIONAL IR/RS-232/CEC  
UP TO 490FT

This device with a help of HDBaseT technology will extend HDMI signal for up to 150M (492 ft) with resolutions for up to 4K@60Hz using single CAT6 ethernet cable. But probably this is not the only feature you are looking for.

So, it can do much more – along with HDMI it will extend IR and RS-232 signal, so you can control your TV from the source side (for example, when using 3rd party control system) or you can control the source (like your cable box) from the TV side.

- 4K

STUNNING IMAGE QUALITY  
Supports resolutions up to 4K@60Hz
- EXTREME RANGE  
Transmit 1080p up to 492ft and 4K up to 394ft
- AUDIO DE-EMBEDDING  
Receiver provides analog audio output for external audio system



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on our website

BG-EXH-70C3

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

The BG-EXH-70C3 is an 18Gbps HDMI extender that can transmit HDMI and IR control signals up to 230ft(70m) via a single CAT6/6a cable and the uncompressed, long-distance transmission between the transmitter and receiver is achieved with zero-delay. These devices are also HDMI 2.0b and HDCP 2.2 compliant ensuring content is protected.

The extenders feature bi-directional IR and power over cable(PoC) meaning only one of the units in the pair needs a power supply while IR blaster and receiver cables can be utilized to control devices on either end of the system simplifying a clean installation.

- 4K

STUNNING IMAGE QUALITY  
Crystal clear images at 4K 60Hz 4:4:4
- HDCP 2.2  
High-Bandwidth Digital Content Protection Supported
- HDMI LOOP-OUT  
Loop-out to view content locally at transmitter side



Check out this item  
on our website



BG-EXH-70C4

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

Introducing the BG-EXH-70C4, the ultimate solution for extending your HDMI signals over a long distance of up to 70m / 230ft. This extender is a highly efficient device that converts your HDMI signal to standard HDBaseT and transmits it via single CAT5e/6 ethernet cable.

With a bandwidth of 18Gbps, the device is compliant with HDMI 2.0b and HDCP 2.2 standards. The video resolution that can be achieved using this extender is up to 4K2K@60Hz RGB/YCBCR 4:4:4, which ensures that you enjoy crystal clear images and vibrant colors.



STUNNING IMAGE QUALITY  
Crystal clear images at 4K 60Hz 4:4:4



LONG RANGE  
Send a 4K signal up to 230ft (70m)



COMPLIANT  
HDMI 2.0b and HDCP 2.2 supported to ensure content protection



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BG-EXH-100C5

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

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



STUNNING IMAGE QUALITY  
Crystal clear images at 4K 60Hz 4:4:4



HDCP 2.2  
High-Bandwidth Digital Content Protection Supported



HDMI LOOP-OUT  
Loop-out to view content locally at transmitter side



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BG-EXH-100C6

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

Experience unparalleled audio and video transmission with the BG-EXH-100C6 HDBaseT 3.0 extender by BZBGEAR.

This state-of-the-art device unleashes uncompressed HD/UHD audio and video, along with eARC/ARC, RS-232, bi-directional IR, 1Gb Ethernet, and USB 2.0 signals up to an impressive distance of 328ft(100m) using just a single CAT6A/7 cable. Say goodbye to messy wires and hello to convenience.

- 4K

STUNNING IMAGE QUALITY  
Crystal clear images at 4K 60Hz 4:4:4
- LONG RANGE  
Send a 4K signal up to 230ft (70m)
- HDMI LOOP-OUT  
Loop-out to view content locally at transmitter side



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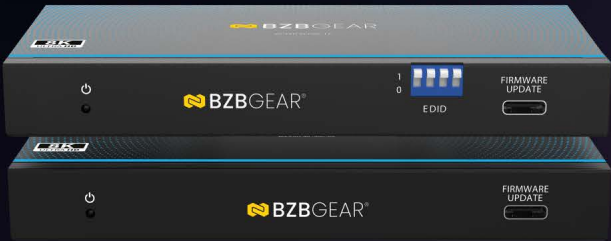
BG-EXH-8K150C

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

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

- 8K

ULTRA-HIGH BANDWIDTH SUPPORT  
Up to 40Gbps FRL and 18Gbps TMDs, supporting next-generation 8K and high-frame-rate 4K video without signal loss or latency
- 8K & 4K LONG-DISTANCE TRANSMISSION  
Transmits 8K up to 90m (295ft) and 4K up to 150m (492ft) via CAT cable
- HDMI 2.1 & HDCP 2.3 COMPLIANCE  
Fully compliant with the latest HDMI and content protection standards



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BG-EXH-8KC6

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

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

This extender supports video resolutions up to 8K@30Hz 4:4:4 10bit, 4K@120Hz 4:4:4 10bit, and 4K@60Hz 4:4:4.



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



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



COMPLIANT  
HDMI 2.1, HDCP 2.3, and HDBaseT 3.0 compliant



2024 TOP NEW TECHNOLOGY (TNT)  
AWARD - CATEGORY: RESIDENTIAL >  
HDMI/HDBASET EXTENDERS



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BG-EXH-4KC7

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

The BG-EXH-4KC7 is a high-performance HDBaseT 3.0 extender designed to deliver 4K60Hz 4:4:4 HDR video and USB-C/HDMI connectivity over distances of up to 100 meters via CAT6A/7 cables.

Featuring dual inputs (USB-C and HDMI) with auto/manual switching, the transmitter supports DP-ALT mode for audio/video transmission, USB 3.0, 1G Ethernet, and up to 100W power delivery.



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



LONG-DISTANCE TRANSMISSION  
Transmits 4K60Hz signals up to 100m over CAT6A/7 cables



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



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



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# BZBGEAR

## Wall Plate Extenders

An AV wall plate extender kit provides a seamless solution for extending HDMI or DisplayPort signals over CAT cable while offering a clean, integrated installation. The kit includes a transmitter, which connects to source devices like HDMI, DP, or USB-C inputs, and a receiver that transmits the signal to a display.

The system supports extended transmission distances of up to 164ft (50m) at 4K@24Hz or 115ft (35m) at 4K@60Hz over CAT6 cable, ensuring high-quality video and audio performance. The transmitter is housed in a sleek one-gang Decora-style enclosure, while the compact receiver can be discreetly mounted behind the display. Features like Power Over Cable (POC) simplify installation by powering the transmitter via the receiver, reducing cable clutter.

These AV wall plates are ideal for a variety of applications, including home theater setups, professional AV installations, and conference rooms.



LONG-RANGE SIGNAL  
TRANSMISSION



HIGH-RESOLUTION  
VIDEO SUPPORT



SEAMLESS INTEGRATION  
AND INSTALLATION



**BG-EXH-50UWP-W**  
**4K UHD 18GBPS HDMI/USB-C WALL PLATE**  
**TRANSMITTER/RECEIVER KIT UP TO 164FT**

Introducing the BG-EXH-50UWP-W 18Gbps CAT 164ft Wall Plate Kit, a comprehensive solution for seamless signal transmission and distribution. This kit comprises a USB-C/HDMI Transmitter and a CAT6 to HDMI

Receiver, designed to meet the demands of modern AV installations. Enclosed within a sleek one-gang Decora-style enclosure, the wall plate transmitter serves as a versatile 2x1 switcher and CAT transmitter, accommodating HDMI and USB-C inputs.



**STANDARDS COMPLIANCE**

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



**VIDEO BANDWIDTH**

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



**AUDIO SUPPORT**

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



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**BG-EXHD-50UWP-W**  
**4K UHD 18GBPS HDMI/MDP WALL PLATE**  
**TRANSMITTER/RECEIVER KIT UP TO 164FT**

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



**STANDARDS COMPLIANCE**

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



**HIGH-RESOLUTION CAPABILITY**

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



**CAT6 OUTPUT**

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



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**BG-EXH-70WP-W**  
**4K UHD 18GBPS HDMI WALL PLATE**  
**TRANSMITTER/RECEIVER KIT UP TO 230FT**

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

With support for resolutions up to 4K2K@60Hz (4:4:4), 4K2K@30Hz, and 1080p@120Hz, it delivers stunning visual clarity and fidelity, making it perfect for a wide range of applications.

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

**4K HIGH-RESOLUTION SUPPORT**  
Accommodates resolutions up to 4K2K@60Hz (4:4:4), 4K2K@30Hz, and 1080p@120Hz

**AUDIO CAPABILITY**  
Capable of transmitting up to 7.1 channels of HD audio



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**BG-EXH-70UWP-W**  
**4K UHD 18GBPS HDBASET HDMI/USB-C/KVM**  
**WALL PLATE TRANSMITTER/RECEIVER KIT UP TO 230FT**

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

With support for resolutions up to 4K@60Hz 4:4:4, this kit ensures exceptional visual fidelity and clarity.

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

**4K VIDEO RESOLUTIONS**  
Capable of displaying up to 4K@60Hz 4:4:4

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



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BG-EXHD-70UWP-W

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

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

Designed to fit seamlessly into Decora-style wall plate openings, this kit features a sleek US one-gang enclosure.



STANDARDS COMPLIANCE

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



RESOLUTION SUPPORT

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



HDBASET OUTPUT

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



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BG-EXH-70UCWP-W

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

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



HIGH DYNAMIC RANGE VIDEO

Allows for the vivid display of HDR content



EDID AND HDCP BYPASS

Streamlines connectivity by bypassing EDID and HDCP protocols when necessary



DIGITAL STREAM CONVERSION (DSC)

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



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**BG-EXHD-70UCWP-W**  
**4K UHD 18GBPS HDBASET HDMI/MDP/RS-232**  
**WALL PLATE TRANSMITTER/RECEIVER KIT UP TO**  
**230FT**

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

Additionally, bidirectional RS-232 pass-through allows for convenient control signal transmission up to 131ft / 40m.



**EXTENDED VIDEO TRANSMISSION**

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



**AUDIO FORMAT SUPPORT**

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



**INPUT COMPATIBILITY**

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



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# BZBGEAR

## Fiber Optic Extenders

Fiber optic extenders are advanced devices designed to extend data transmission over long distances using fiber optic cables. Unlike traditional copper cables, which are prone to signal degradation over extended runs, fiber optic cables transmit data as light signals. This enables ultra-fast speeds, exceptional signal integrity, and significantly longer transmission distances.

Fiber optic extenders are devices designed to extend the range of data transmission over long distances using a fiber optic cable. Unlike traditional copper cables, fiber optic cables transmit data as light signals, which allows for higher speeds and greater distances without signal degradation. These extenders are essential for applications where high-quality, high-speed data transmission is critical, such as in medical imaging, broadcast studios, and corporate environments.

8K

4K TO 8K  
SUPPORT



HIGH SPEED  
TRANSMISSION



EXTREME RANGE  
COVERAGE





BG-FES12G

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

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

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

 4K/60 4:4:4 SUPPORT

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

 MULTIPLE SDI FORMATS

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

 HIGH-BANDWIDTH

Up to 11.88 Gbps



Check out this item on our website

BG-UHD-18GFE

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

The BZBGEAR BG-UHD-18GFE is a premium 4K HDMI KVM extender that provides reliable, lossless, and latency-free transmission of uncompressed 4K@60Hz 4:4:4 HDMI video with USB 2.0.


Operating over single-mode fiber optic cabling, this extender is capable of transmitting signals up to 6.25 miles (10km), making it an ideal solution for remote workstations and large-scale installations that demand high-quality video and KVM control over long distances.

 CRYSTAL CLEAR IMAGES

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

 FIBER-OPTIC

Single-mode SFP connection provides pure signal over extreme distances

 RS-232

Supports RS-232 passthrough to extend control signals



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

The BZBGEAR BG-EXUF is a 4-port fiber optic USB 3.1/2.0/1.1 extender that extends USB 3.1 up to 328ft (100m) and USB 2.0/1.1 up to 6.2mi (10Km) over single-mode or multi-mode fiber optic cabling.

Designed with a four-port hub to extend up to four USB devices without the need for an additional device. Each port supports data transfer speeds up to 5Gbps (USB 3.1).

 **LOCKING POWER CONNECTOR**  
Prevents power from accidentally coming unplugged

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

 **FAST TRANSFER SPEEDS**  
Up to 5Gbps using USB 3.1



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

The BG-EXH-8KF HDMI over Fiber extender is a cutting-edge solution that caters to gamers, home theater enthusiasts, and professional integrators alike. With support for advanced gaming features like VRR, ALLM, QMS, QFT, and SBTM, gamers can enjoy a seamless and immersive experience.

Home theater enthusiasts benefit from unparalleled video quality, including 8K@60 4:2:0 12bit and 4K@120Hz 4:4:4 12bit video transmission, along with comprehensive HDR support for vivid visuals.

 **8K AND 4K@120HZ**  
Supports 8K@60 4:2:0 12bit, 4K@120Hz 4:4:4 12bit

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

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



FIBEROPTIC TRANSPORT - 2024  
COMMERCIAL INTEGRATOR BEST  
AWARD WINNER



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

The BG-IPGEAR-XTREME-F is a cutting-edge HDMI 2.1 over fiber extender designed for mission-critical AV transmission in broadcast, medical imaging, eSports, control rooms, and high-end home theater applications.

With support for uncompressed 4K60 4:4:4 and visually lossless DSC-compressed 4K144 4:4:4, it also enables 8K@30Hz 4:4:4 transmission, ensuring next-generation video performance with zero-frame latency over distances up to 10km (6.25 miles) via single-mode fiber optic cable.

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

**HDMI 2.1 & HDCP 2.3 COMPLIANCE**  
Ensures compatibility with gaming consoles, media servers, professional video switchers, and AV processors

**48GBPS VIDEO BANDWIDTH (FRL 6)**  
Provides high-speed, zero-latency transmission for next-generation AV applications



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# BZBGEAR

## Wireless Extenders

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

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



**WIRELESS RANGE  
OVER 100 FT**



**4K UHD VIDEO  
SUPPORT**



**ADVANCED SIGNAL  
PROTECTION**



BG-AIR4KAST

4K UHD HDMI WIRELESS SENDER/RECEIVER  
EXTENDER KIT WITH IR UP TO 164FT



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Multiple-Awards Winner



2024 CEDIA EXPO BEST  
OF SHOW WINNER -  
BZBGEAR BG-AIR4KAST



BEST OF SHOW - ISE  
2024: RESIDENTIAL  
SYSTEMS WINNER



2024 TOP NEW  
TECHNOLOGY (TNT)  
AWARD



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

The BG-Air4Kast is an advanced 4K@60Hz HDMI wireless extender solution consisting of a transmitter and a receiver. It leverages ipcolor STREAM technology for high-definition and low-latency video transmission. Operating on the 5G wireless frequency band, it delivers stability, anti-interference capabilities, and safety.

Key features include support for resolutions up to 3840x2160@60Hz, HDMI loop out on the transmitter, IR passback, compatibility with 5G wireless frequency bands, and interference mitigation through SSID pairing and channel switching.



**IPCOLOR STREAM  
TECHNOLOGY**  
Maintains HD video quality for  
clear visuals



**4K@60HZ SUPPORT**  
Handles the latest content,  
backward compatible



**WIRELESS  
TRANSMISSION 164FT  
(50M)**  
Flexible setup in any  
environment



**HDMI LOOP OUT**  
Transmits to local and remote  
displays



**SUPPORT 5G**  
Resists wireless interference



**MICRO USB PORT**  
Future-proof firmware upgrades

**BG-AIR4KAST-MKX**  
**4K60 UHD WIRELESS HDMI EXTENDER KIT WITH**  
**MULTI-RECEIVER SUPPORT (UP TO 4 RECEIVERS)**

The BG-Air4Kast-MKX is a 4K@60Hz UHD wireless HDMI KVM extender designed to deliver ultra-stable, low-latency video and audio transmission up to 164ft (50m). With support for keyboard, mouse, and touchscreen control, it enables seamless remote operation of PCs and laptops, making it the perfect solution for conference rooms, classrooms, digital signage, and home entertainment. Equipped with channel-switchable technology, HDMI loop-out on the transmitter, and multiple receiver support.

-  **4K@60HZ WIRELESS TRANSMISSION**  
Stable HDMI 2.0 signal extension up to 164ft (50m)
-  **KVM SUPPORT**  
Remote control with keyboard, mouse, and touchscreen functionality
-  **CHANNEL SWITCHABLE**  
Avoids interference and maintains a stable connection





BEST OF SHOW  
AWARDS AT CEDIA 2025



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**BG-AIR4KAST-PRO**  
**4K60 UHD WIRELESS HDMI SENDER/RECEIVER**  
**EXTENDER KIT WITH ULTRA-LOW LATENCY**

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

-  **CRYSTAL CLEAR IMAGES**  
Supports 4K@60 HDR (4:4:4)
-  **FIBER-OPTIC**  
Single-mode SFP connection provides pure signal over extreme distances
-  **RS-232**  
Supports RS-232 passthrough to extend control signals



CEDIA 2025 BEST OF  
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BZBGEAR AWARDS

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



PRO AV BEST IN MARKET AWARDS 2025



BEST OF SHOW AWARDS AT IBC 2025



BEST OF SHOW AWARDS AT IBC 2025



CE PRO BEST PRODUCT AWARD 2025



BEST OF SHOW AWARDS AT CEDIA 2025



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BEST OF SHOW AWARDS AT INFOCOMM 2025



COMMERCIAL INTEGRATOR BEST AWARDS 2025



2025 SCN STELLAR SERVICE AWARDS



TOP NEW TECHNOLOGY (TNT) AWARD 2025



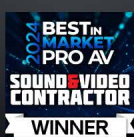
BEST OF SHOW AT ISE 2025



SVC INNOVATIVE PRODUCTS: READERS' CHOICE 2024



MEDIA & ENTERTAINMENT: BEST IN MARKET 2024 AWARDS



PRO AV BEST IN MARKET AWARDS 2024



BEST OF SHOW - IBC2024



BEST OF SHOW - CEDIA 2024

See more BZBGEAR Awards at [bzbgear.com/awards](https://bzbgear.com/awards)



## ABOUT BZBGear

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

### OUR PRODUCTS

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

### WHAT BZBGear HAS TO OFFER

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

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

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

### LIMITED PRODUCT WARRANTY TERMS

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

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

**Cables:** Lifetime Limited Product Warranty.

For complete warranty information, please visit [bzbgear.com/warranty](https://bzbgear.com/warranty).

For questions, please call 1.888.499.9906 or email [support@bzbgear.com](mailto:support@bzbgear.com).

### BZBGear WARRANTY

Pro Line Product

**5-YEAR WARRANTY**

Essential Line Product

**3-YEAR WARRANTY**

Cables Product

**LIFETIME WARRANTY**

Learn more about BZBGear at [bzbgear.com/company](https://bzbgear.com/company)



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