

BG-UM44-150L-KIT

4X4 4K UHD 18Gbps HDMI and HDBaseT Matrix Switch with Bi-directional IR/Advanced EDID and Downscaling

This HDMI matrix extender enables operators to connect four HDMI sources to up to eight displays. This is accomplished using four HDMI outputs mirrored to four HDBaseT outputs that run simultaneously. 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.

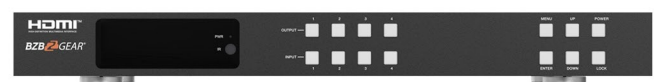
The maximum resolution of this matrix is 4K@60Hz (YUV 4:4:4) on all HDMI and HDBaseT ports. Data transmission is lossless and uncompressed, having a maximum bandwidth of 18Gbps, ensuring pure signal transfer for maximum image quality.

AVAILABLE IN AN 8X8 MODEL:

BG-UM88-150L-KIT

FEATURES

- Supports resolutions up to 4K@60Hz 4:4:4
- Extend 4K signals up to 394 feet (120m)
- HDMI 2.0b, HDCP 2.2 and HDCP 1.x compliant
- Front panel buttons, RS232, IR, CEC, IP, and WebGUI
- Dolby Vision, HDR10+, and HLG support
- HDMI ports transmit 18Gbps lossless uncompressed video bandwidth
- 24V POC on all HDBaseT ports
- Audio de-embedded is supported via analog and coax ports
- 4 HDMI inputs, 4 HDMI & HDBaseT mirrored outputs
- Support 4K->1080P Down Scaler for each output port
- Advanced EDID management and CEC control are supported



Specifications

TECHNICAL

HDMI Compliance: HDMI 2.0b
HDCP Compliance: HDCP 2.2 and HDCP 1.x
Video Bandwidth: 18Gbps
Video Resolution: Up to 4K2K@50/60Hz (4:4:4)
Color Space: RGB 4:4:4, YCbCr 4:4:4/4:2:2/4:2:0
Color Depth: 8-bit, 10-bit, 12-bit (1080p@60Hz); 8-bit (4K2K@60Hz YUV4:4:4); 8-bit, 10-bit, 12-bit (4K2K@60Hz YCbCr 4:2:2/4:2:0)
HDR: HDR10, HDR10+, Dolby Vision, HLG
HDMI Audio Formats: LPCM 2.0/2.1/5.1/6.1/7.1, Dolby Digital, Dolby TrueHD, Dolby Digital Plus(DD+), DTS-ES, DTS HD Master, DTS HD-HRA, DTS-X
Coax Audio Formats: PCM 2.0, Dolby Digital / Plus, DTS 2.0/5.1
Analog Balanced Audio Formats: PCM 2.0CH
Vmax: 2Vrms
SNR: >90dB
THD+N Ratio: <0.1%(V_max) 0.001%-0.01%(V_best)
Crosstalk: >80dB
Frequency Response: 20Hz-20kHz 30.5dB
ESD Protection: Human-body Model: 38kV (Air-gap discharge) , 34kV (Contact discharge)

CONNECTION

Matrix
Input: 4 x HDMI Type A [19-pin female]
Outputs: 4 x HDMI Type A [19-pin female]; 4 x HDBaseT port [RJ45]; 4 x Coaxial audio [3.5mm Stereo Mini-jack]; 4 x balanced analog audio [5-pin Phoenix connector]
Controls: 5 x IR IN [3.5mm Stereo Mini-jack]; 5 x IR OUT [3.5mm Stereo Mini-jack]; 1 x TCP/IP [RJ45]; 1 x RS-232 [D-Sub 9]
HDBaseT Receiver
Input: 1 x HDBT IN [RJ45, 8-pin female]

Outputs: 1 x HDMI Type A [19-pin female]; 1 x AUDIO OUT [3.5mm Stereo Mini-jack]
Controls: 1 x IR IN [3.5mm Stereo Mini-jack]; 1 x IR OUT [3.5mm Stereo Mini-jack]; 1 x RS-232 [3-pin Phoenix connector]; 1 x SERVICE [Mini-USB, Update port]

MECHANICAL

Housing: Metal Enclosure
Color: Black
Dimensions
Matrix: 17.3" (W) x 7.9" (D) x 1.8" (H) [440mm (W) x 200mm (D) x 44.5mm (H)]
Receiver: 5.5" (W) x 2.6" (D) x 0.7" (H) [140mm (W) x 65mm (D) x 18mm (H)]
Weight: Matrix: 6.8lbs [3.1Kg], Receiver: 0.34lbs [155g]
Power Supply: AC 100 - 240V 50/60Hz
Power Consumption: 60W (Max)
Operating Temperature: 32°F ~ 104°F / 0°C ~ 40°C
Storage Temperature: -4°F ~ 140°F / -20°C ~ 60°C
Relative Humidity: 20-90% RH (non-condensing)
Resolution / Distance (CAT5e/6/7): 4K60 - Feet / Meters: 492ft / 150M
Resolution / Cable length (HDMI IN and OUT): 4K60 - Feet / Meters: 16ft / 5M; 4K30 - Feet / Meters: 32ft / 10M; 1080P60 - Feet / Meters: 50ft / 15M

The use of "Premium High Speed HDMI" cable is highly recommended.

Industry-Leading Warranty & 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 five years.

We pride ourselves in our Customer Service and seven-days-a-week Tech Support.

