

BG-UM88-150L-KIT

8X8 4K UHD 18Gpbs HDMI and HDBaseT Matrix Switch with Bi-directional IR/Advanced EDID and Downscaling

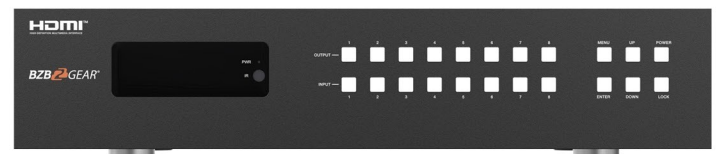
This HDMI matrix extender can connect eight HDMI sources to sixteen output displays. This is accomplished using four HDMI outputs mirrored to four HDBaseT outputs that run simultaneously. The HDBaseT output allows video signals to be extended to longer ranges than a standard HDMI cable. When using 1080p 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.



FEATURES

- 8 HDMI inputs, 8 HDMI & HDBaseT mirrored outputs
- Supports resolutions up to 4K@60Hz 4:4:4
- HDMI 2.0b, HDCP 2.2 and HDCP 1.x compliant
- Extend 4K signals up to 394 feet (120m)
- Front panel buttons, RS232, IR, CEC, IP, and WebGUI
- Dolby Vision, HDR10+, and HLG support
- HDMI ports transmit 18Gbps lossless uncompressed video bandwidth
- Audio de-embedded is supported via analog and coax ports
- 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: 8 x HDMI Type A [19-pin female]

Outputs: 8 x HDMI Type A [19-pin female], 8 x HDBaseT port [RJ45], 8 x Coaxial audio [3.5mm Stereo Mini-jack], 8 x balanced analog audio [5-pin Phoenix connector]

Controls: 9 x IR IN [3.5mm Stereo Mini-jack], 9 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], 1x SERVICE [Mini-USB, Update port]

Mechanical

Housing: Metal Enclosure

Color: Black

Dimensions: Matrix: 17.3" (W) x 14.7" (D) x 3.5" (H) [440mm (W) x 374mm (D) x 88.6mm (H)]; Receiver: 5.5" (W) x 2.6" (D) x 0.7" (H) [140mm (W) x 65mm (D) x 18mm (H)]

Weight: Matrix: 14.4lbs [6.54Kg]; Receiver: 0.34lbs [155g]

Power Supply: AC 100 - 240V 50/60Hz

Power Consumption: 125W (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 - 492ft / 150m

Resolution / Cable length (HDMI IN / OUT): 4K60 - 16ft / 5M; 4K30 - 32ft / 10M; 1080p60 - 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.

