

BG-UM88-100M-KIT

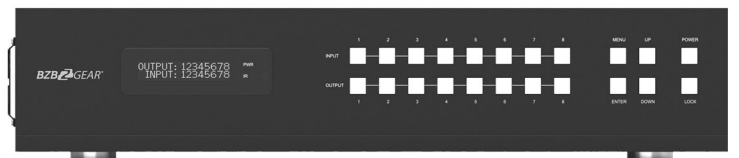
8X8 HDMI and HDBaseT Matrix Switch with Bi-directional IR, Ethernet and ARC Function

The BG-UM88-100M-KIT is an eight input 4K HDMI matrix with eight HDBaseT outputs. With Ethernet passthrough for all receivers, bi-directional IR passthrough, and full audio matrix functionality, this powerful switcher provides system-wide routing, control, and management from a single centralized unit.

HDBaseT technology allows an uncompressed HDMI signal to be transmitted over a category 6 cable at distances up to 100 meters (328 feet). When combined with the eight mirrored HDMI outputs, this allows the BG-UM88-100M-KIT to send 4K@60Hz 4:4:4 video to sixteen displays.

FEATURES

- HDBaseT output can extend video transmission distance up to 328ft / 100 meters via a single cat5e/6/7 cable and the resolution is up to 4K@60Hz 4:4:4
- HDCP 2.2 and HDCP 1.4 compliant
- 8 HDMI inputs, 8 HDMI & HDBaseT mirrored outputs
- HDMI ports transmit 18Gbps lossless uncompressed video bandwidth
- Support 18Gbps lossless compressed HDBaseT signal transmission
- Support 4K->1080P Down Scaler
- Dolby Vision, HDR10+, HLG are supported
- HDMI audio pass-through up to 7.1CH HD audio (LPCM, Dolby TrueHD and DTS-HD Master Audio)



Specifications

Technical

HDCP Compliance: HDCP 2.2 and HDCP 1.4
 Video Bandwidth: 18Gbps
 Video Resolution: Up to 4K2K@50/60Hz (4:4:4)
 Color Space: RGB, YCbCr 4:4:4/4:2:2/4:2:0
 Color Depth: 12-bit (4K), 16-bit (1080P)
 HDMI Audio Formats (Pass-through): PCM2.0/5.1/7.1CH, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
 Coax Audio Formats: PCM 2.0, Dolby Digital / Plus, DTS,
 L/R Audio Formats: PCM2.0
 HDR formats: 4:4:4, 4:2:2, 4:2:0(10,12bit deep color) HDR10, HDR10+, Dolby Vision, HLG
 Infrared: 20KHz ~ 60KHz
 ESD Protection: Human-body Model: 38kV (Air-gap discharge) , 34kV (Contact discharge)

Connection

Matrix

Input Ports: 8x INPUT [HDMI Type A, 19-pin female]; 10x IR INPUT [3.5mm Stereo Mini-jack]; 2x Stereo Audio [3.5mm Stereo Mini-jack B]; 1x SPDIF(OPTICAL); 1x SPDIF(COAX)
Output Ports: 48x HDMI OUTPUT [HDMI Type A 19-pin female]; 8x HDBaseT port [RJ45]; 9x IR OUTPUT [3.5mm Stereo Mini-jack]; 8x RS-232 [3-pin Phoenix connector]; 8x SPDIF(COAX); 8x Stereo Audio [3.5mm Stereo Mini-jack]; 1x LAN [RJ45]
Control Ports 1xTCP/IP [RJ45]; 1x RS-232 [D-Sub 9]

HDBaseT Receiver

Input Ports: 1x HDBaseT IN [RJ45] 1x IR IN [3.5mm Stereo Mini-jack]
Output Ports: 1x HDMI OUT [HDMI Type A, 19-pin female] 1x IR OUT [3.5mm Stereo Mini-jack]
Control Ports: 1x SERVICE [Micro USB, Update port] 1x RS-232 [Phoenix jack] 2x LAN [RJ45]

Mechanical

Housing: Metal Enclosure

Color: Black

Dimensions: TX: 17.3" (W) x 14.3" (D) x 3.5" (H) [440mm (W) x 362mm (D) x 88mm (H)]; RX: 6.4" (W) x 3.6" (D) x 0.7" [163mm (W) x 90.3mm (D) x 18mm (H)]

Weight: TX: 15.2 lbs [6.9Kg]; RX: 0.86 lbs [392g]

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

Power Consumption: 128W (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 - 328ft / 100m

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.

