

BG-UM44-100M-KIT

**4X4 HDMI and HDBaseT Matrix Switch with
Bi-directional IR and ARC Function**

The BG-UM44-100M-KIT is a four input 4K HDMI matrix with four 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 four mirrored HDMI outputs, this allows the BG-UM44-100M-KIT to send 4K@60Hz 4:4:4 video to eight displays.

AVAILABLE IN AN 8X8 MODEL:

BG-UM88-100M-KIT

FEATURES

- Supports resolutions up to 4K@60Hz 4:4:4
- Fully compliant with HDMI 2.0 and HDCP 2.2 specifications
- Extend 4K signals up to 330 feet (100 meters) with included receivers
- Each output features de-embedded digital coax and analog outputs
- Each output features 4K to 1080P down-scaling
- Front panel buttons, RS232, IR, CEC, and TCP/IP (WebGUI)
- 4 HDMI inputs, 4 HDMI & HDBaseT mirrored outputs
- HDMI audio pass-through up to 7.1CH HD audio (LPCM, Dolby TrueHD, DTS-HD Master Audio)
- HDMI and HDBaseT ports transmit 18Gbps lossless uncompressed video bandwidth
- Dolby Vision, HDR10+, and HLG supported



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: 4xINPUT [HDMI Type A, 19-pin female];
6xIR INPUT [3.5mm Stereo Mini-jack]; 2xStereo Audio [3.5mm Stereo Mini-jack B]; 1xSPDIF(OPTICAL)
1xSPDIF(COAX)
Output Ports: 4xHDMI OUTPUT [HDMI Type A, 19-pin female]; 4xHDBaseT port [RJ45]; 5xIR OUTPUT [3.5mm Stereo Mini-jack]; 4xRS-232 [3-pin Phoenix connector]; 4xSPDIF(COAX); 4xStereo Audio[3.5mm Stereo Mini-jack]; 1xLAN [RJ45]
Control Ports: 1xTCP/IP [RJ45]; 1xRS-232 [D-Sub 9]

HDBaseT Receiver

Input Ports: 1xHDBaseT IN [RJ45] 1xIR IN [3.5mm Stereo Mini-jack]

Output Ports: 1xHDMI OUT [HDMI Type A, 19-pin female] 1xIR OUT [3.5mm Stereo Mini-jack]
Control Ports: 1xSERVICE [Micro USB, Update port] 1xRS-232 [Phoenix jack] 2xLAN [RJ45]

MECHANICAL

Housing: Metal Enclosure
Color: Black
Dimensions: TX: 17.3" (W) x 10.7" (D) x 1.8" (H) [440mm (W) x 274mm (D) x 45mm (H)]; RX: 6.4" (W) x 3.6" (D) x 0.7" (H) [163mm (W) x 90.3mm (D) x 18mm (H)]
Weight: TX: 8.8 lbs [4.0Kg], RX: 0.86 lbs [392g]
Power Supply: AC 100 - 240V 50/60Hz
Power Consumption: 70W (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: 328ft / 100M
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.

