F E A T U R E S

• 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

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
**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.

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