



BG-UM88-100M-KIT

8X8 4K UHD HDMI/AUDIO MATRIX SWITCHER OVER HDBASET WITH 2-WAY IR/ARC/ETHERNET/IP AND RS-232 CONTROL

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



STUNNING IMAGE QUALITY

Supports resolutions up to 4K@60Hz 4:4:4



HDCP 2.2

High-Bandwidth Digital Content Protection Supported



HDR

Rich colors with Dolby Vision, HDR, HDR10+, and HLG support



EXTREME RANGE

Transmit 4K video up to 328ft via a single CAT 5E/6/7 cable



MULTIPLE CONTROL OPTIONS

Take control using Bi-Directional IR, physical buttons, RS232, TCP/IP, or Web interface



ANY SOURCE ANY DISPLAY

Broadcast any of the 8 inputs to any of the 8 mirrored HDMI/HDBaseT outputs simultaneously



TECH 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)	PCM 2.0/5.1/7.1CH, 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	PCM 2.0
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: ±8kV (Air-gap discharge) , ±4kV (Contact discharge)

Connection

Matrix	8xINPUT [HDMI Type A, 19-pin female] 10xIR INPUT [3.5mm Stereo Mini-jack] 2xStereo Audio [3.5mm Stereo Mini-jack B] 1xSPDIF(OPTICAL) 1xSPDIF(COAX)
Input Ports	8xHDMI OUTPUT [HDMI Type A 19-pin female] 8xHDBaseT port [RJ45] 9xIR OUTPUT [3.5mm Stereo Mini-jack] 8xRS-232 [3-pin Phoenix connector] 8xSPDIF(COAX) 8xStereo Audio [3.5mm Stereo Mini-jack] 1xLAN [RJ45]
Output Ports	1xTCP/IP [RJ45] 1xRS-232 [D-Sub 9]
Control Ports	1xHDBaseT IN [RJ45] 1xIR IN [3.5mm Stereo Mini-jack]
HDBaseT Receiver	1xHDMI OUT [HDMI Type A, 19-pin female] 1xIR OUT [3.5mm Stereo Mini-jack]
Input Ports	1xSERVICE [Micro USB, Update port] 1xRS-232 [Phoenix jack] 2xLAN [RJ45]
Output Ports	
Control Ports	

Limited Product Warranty Terms

Pro Line: 5-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

Essential Line: 3-year warranty from the date of purchase for AV/Broadcasting products bought on or after August 1, 2024.

Cables: Lifetime Limited Product Warranty.

For complete warranty information, please visit bzbgear.com/warranty.

For questions, please call 1.888.499.9906 or email support@bzbgear.com.

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3-YEAR WARRANTY

Cables Products
LIFETIME WARRANTY





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	4K60 - Feet / Meters		
CAT5e/6/7	328ft / 100M		
Resolution / Cable length	4K60 - Feet / Meters	4K30 - Feet / Meters	1080P60 - Feet / Meters
HDMI IN / OUT	16ft / 5M	32ft / 10M	50ft / 15M
The use of "Premium High Speed HDMI" cable is highly recommended.			

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