

BG-UHD-42M**4X2 HDMI 4K 60Hz 18Gbps Matrix Switcher
with Audio/Downscaling Support**

The BG-UHD-42M is a 4K HDMI matrix switch with four HDMI inputs and two HDMI outputs. This unit can be used to route any of the four HDMI inputs to either of the two HDMI outputs. This matrix is a great choice for anyone looking to share up to four 4K sources between two TVs. Applications include conference rooms, sports bars, restaurants, and auditoriums.

The BG-UHD-42M supports a maximum resolution of 4K@60Hz 4:4:4. With 18 Gbps of uncompressed bandwidth, HDMI signals are routed with no loss of quality. All HDMI ports on this device are HDMI 2.0a and HDCP 2.2 compliant.

FEATURES

- Supports resolutions up to 4K@60Hz 4:4:4
- HDMI 2.0, HDCP 2.2/HDCP1.4 and DVI 1.0 compliant
- Advanced EDID management for rapid integration of sources and displays
- Flexible control via front panel buttons and IR remote
- Route any of the 4 inputs to either of the 2 outputs
- Supports resolution downscaling from 4K to 1080P
- Supports 18Gbps uncompressed bandwidth on all HDMI ports
- Supports Dolby Vision, HDR 10+, HLG, and CEC function
- Supports ARC



Specifications

Technical

HDMI Compliance: HDMI 2.0

HDCP Compliance: HDCP 2.2 and HDCP 1.4

Video Bandwidth: 18 Gbps

Video Resolution: Up to 4K2K@50/60Hz(YCbCr 4:4:4), 4K2K@30Hz. All HDMI 3D TV format, etc.

Color Space: RGB, YCbCr4:4:4, YCbCr4:2:2, YCbCr 4:2:0

Color Depth: 8-bit, 10-bit, 12-bit [1080P, 4K@30Hz, 4K@60Hz (YCbCr 4:2:0)] 8-bit [4K@60Hz (YCbCr4:4:4)]

HDMI Audio Formats: 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

Optical Audio Formats: PCM2.0, Dolby Digital / Plus, DTS

L/R Audio Formats: PCM2.0CH (Note: If ARC function is turned on, the audio port will mute.)

ESD Protection: Human-body Model: 38kV (Air-gap discharge), 34kV (Contact discharge)

Connections

Input Ports: 4xHDMI Type A [19-pin female]

Output Ports: 2xHDMI Type A [19-pin female] 1xL/R audio out [3.5mm Stereo Mini-jack] 1xOPTICAL audio out [S/PDIF]

Mechanical

Housing: Metal Enclosure

Color: Black

Dimensions: 9.9"(W) x 4.1"(D) x 0.79"(H) [251mm(W) x 105mm(D) x 20mm(H)]

Weight: 1.97lbs [620g]

Power Supply: Input: AC100~240V 50/60Hz; Output: DC12V/1A

Power Consumption: 3.8W (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)

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.

