

BG-UHD-88M

8X8 HDMI 2.0a 4K UHD Matrix Switcher with Audio De-Embedding & ARC

The BG-UHD-88M is an 8x8 4K HDMI matrix switch, supporting resolutions up to 4K2K@60Hz 4:4:4 as well as HDR (4K2K@60 4:2:0 10 bits). This HDCP 2.2 compliant unit is equipped with 8 HDMI 2.0a inputs and 8 HDMI 2.0a outputs.

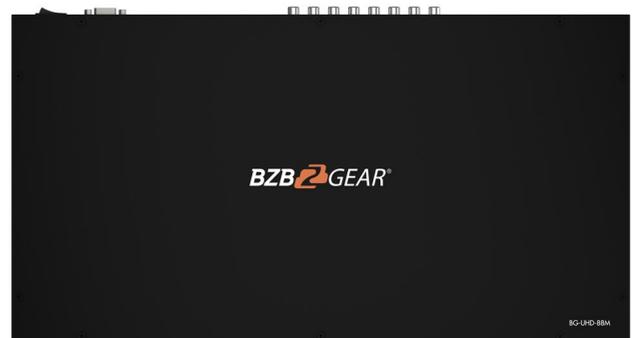
This matrix can quickly route any of the eight inputs to any of the eight outputs utilizing either the front panel push buttons, IR remote control, RS-232, Web Interface, Control 4, IP control or cloud control. The smart EDID management also allows for easy integration.

Audio de-embed from any of the 8 coax ARC supported audio outputs, which all provide multi-channel digital audio (up to 7.1-channel).



FEATURES

- Supports 4K2K@60 4:4:4 8 bits
- Simultaneously route eight inputs (HDMI sources) to any of the eight outputs (HDMI displays)
- HDMI 2.0a, HDCP 2.2 compliant
- Supports ARC & Audio Extraction via Digital S/PDIF(RCA)
- Supported audio Formats: PCM2, Dolby 5.1, DTS 5.1
- Supports HDR (4K2K@60 4:2:0 10 bits)
- Supports 7.1 channel audio
- Supports smart EDID management for easy integration
- Fast response time - 3 to 4 seconds for input switching
- Easy installation with rack-mounting
- Operate the matrix switching via the Front Panel Push buttons, IR remote control, RS-232, Web Interface, Control 4, IP control and Cloud Control



Specifications

TECHNICAL

HDMI compliance: HDMI 2.0a

HDCP compliance: HDCP 1.4/HDCP 2.2

Video bandwidth: Single-link 594MHz [18Gbps]

Video support: HDR 4K2K@60 (4:2:0 10bits) / 4K2K@60 (4:4:4 8bits)

Audio support: Surround sound (up to 7.1ch) or stereo digital audio

ESD protection: Human body model - 315kV [air-gap discharge] & 38kV [contact discharge]

PCB stack-up: 8-layer board [impedance control - differential 100ff; single 50ff]

Input: 8x HDMI / 1x RS-232 / 1x Ethernet / 1x IR socket for IR receiver

Output: 8x HDMI + 8x RCA

HDMI Input selection: Push button / IR remote control / RS-232 control / Web control / Control 4/ IP control / Cloud control

IR remote control: Electro-optical characteristics: $p = 25^\circ$ / Carrier frequency: 38kHz

HDMI connector: Type A [19-pin female]

RJ-45 connector: WE/SS 8P8C with 2 LED indicators

RS-232 connector: DE-9 [9-pin D-sub female]

3.5mm connector: [System IR] Receives IR commands from remote control

MECHANICAL

Enclosure: Metal case

Dimensions (L x W x H): Model: 1'4" x 9.2" x 1.7" [440 x 234 x 44mm]; Package: 1'7" x 12.5" x 6.1" [526 x 318 x 156mm]; Weight: Model: 5.8 lbs [2645g]; Package: 8.6 lbs [3899g]

Fixedness: 1RU rack-mount with ears Wall hanging holes

Power supply: 12V 7.5A DC

Power consumption: 55 Watts [max]

Operation temperature: 32-104°F / 0-40°C

Storage temperature: -4-140°F / -20-60°C

Relative humidity: 20-90% RH [no condensation]

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.

