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
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° / 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]