

8x8 4K HDBaseT™3 AV Matrix with ARC

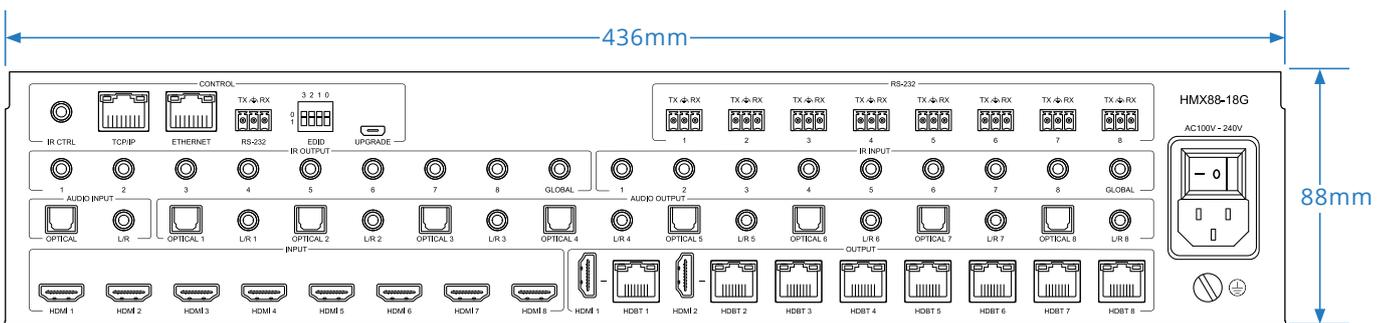
Description

The HMX88-18G Matrix is an industry leading uncompressed, unconverted HDMI 2.0 4K 60Hz 4:4:4 HDCP 2.3/2.2 solution utilising HDBaseT™3 technology to deliver HDMI, bi-directional IR & RS-232, ARC / Optical S/PDIF audio return, 1Gb Ethernet, and PoC up to lengths of 100m over a single CAT6A cable.

The HMX88-18G supports uncompressed distribution of the latest HDR resolutions including HDR10/10+ and Dolby Vision resulting in the ultimate in picture quality for your critical viewing areas.

The Matrix also provides advanced features including simultaneous HDBaseT™/HDMI on outputs 1 & 2, video smart scaling on HDBaseT™ outputs, and an independent 26x8 audio matrix, with ARC and Optical audio return.

The HMX88-18G includes an in-built web browser interface module for control and configuration of the Matrix, and RS-232, IR and Ethernet pass through to enable seamless 3rd party control integration.



Key Features

- Advanced uncompressed, unconverted, HDMI over HDBaseT™3 technology offering distribution of bit-for-bit 4K HDMI video and audio over a single CAT6A cable
- Features 8 x HDMI inputs which can be independently routed to 8 x HDBaseT™ outputs
- Outputs 1 & 2 feature simultaneous HDMI and HDBaseT™ outputs
- Supports distribution of uncompressed HDMI2.0 18Gbps specification including 4K 60Hz 4:4:4 UHD video up to 100m*
- Supports distribution of the latest HDR resolutions including HDR10/10+ and Dolby Vision
- 26x8 Audio Matrix independently controllable from video. Audio source inputs include:
 - 8 x audio breakout from HDMI source inputs
 - 8 x audio breakout from zone outputs
 - 8 x audio return from zone outputs**
 - 1 x Optical and 1x Analogue audio input
- Supports all known HDMI audio formats including Dolby TrueHD, Dolby Atmos, Dolby Digital Plus and DTS-HD Master Audio transmission
- Integrated Ethernet switch (LAN Serving) when used with Blustream RX18G receiver (1Gb maximum)
- Web interface module for control and configuration of the Matrix
- Supports bi-directional IR and RS-232 on all HDBaseT™ outputs
- Control via front panel, IR, iOS / Android App, RS-232 and TCP/IP
- Supports PoC (Power over Cable) to power compatible HDBaseT™ receivers
- Advanced EDID management and HDCP 2.3 compliant

* Transmission distance is subject to video format, cable type and installation environment. It is recommended to use a minimum of CAT6A cabling

**ARC feature supports HDMI ARC or Optical S/PDIF. Compatible with RX18G only

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Connectivity

- Video Input Connectors: 8 x HDMI Type A, 19-pin, female
- Video Output Connectors: 2 x HDMI Type A, 19-pin, female, 8 x HDBaseT™ RJ45 connectors
- Audio Input Connectors: 1 x Analogue audio L/R (3.5mm stereo jack), 1 x Optical (S/PDIF)
- Audio Output Connectors: 8 x Analogue audio L/R (3.5mm stereo jack), 8 x Optical (S/PDIF)
- RS-232 Serial Port: 9 x 3-pin phoenix connector
- TCP/IP Control Port: 1 x RJ45, female
- Ethernet Passthrough Port: 1 x RJ45, female
- IR Input Ports: 10 x 3.5mm stereo jack
- IR Output Ports: 9 x 3.5mm mono jack
- Product Upgrade Port: 1 x Micro USB, female

Specifications

- Rack Mountable: 2U rack height, rack ears included
- Casing Dimensions (W x H x D): 436mm x 88mm x 400mm (without feet)
- Dimensions Including Connections (W x H x D): 443mm x 88mm x 405mm
- Shipping Weight: 10.5kg
- Operating Temperature: 23°F to 131°F (-5°C to +55°C)
- Storage Temperature: -13°F to 158°F (-25°C to +70°C)
- Power Supply: Internal 100-240V AC
- HDBaseT™ Power Output: 24V DC 0.75A per port

Included Accessories

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| Power | IEC Power Cable(s) |
| Cables | 1 x Serial Cable - DB9 to 3-pin phoenix 1 x IR Control Cable - 3.5mm-3.5mm 8 x IR Emitters 9 x IR Receivers |
| Remote | 1 x Remote Control |
| Mounts | 1 x Rack Mounting Kit |

Regulatory Compliance



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