

**AEDON**

Technology for the next generation

# HDM88-18G-HDBT-100

## 4K60 8X8 HDBASET MATRIX



Engineered For  
Ultimate Reliability

## Package Contents

- 1 x HDBaseT™ 8x8 Matrix Switcher
- 6 x HDBaseT™ 100M Receiver
- 9 x Wideband IR Blaster cable
- 10 x Wideband IR Receiver cable
- 1 x Matrix Remote Controller
- 1 x AC Power cable
- 1 x RS-232 cable
- 1 x Operation Manual

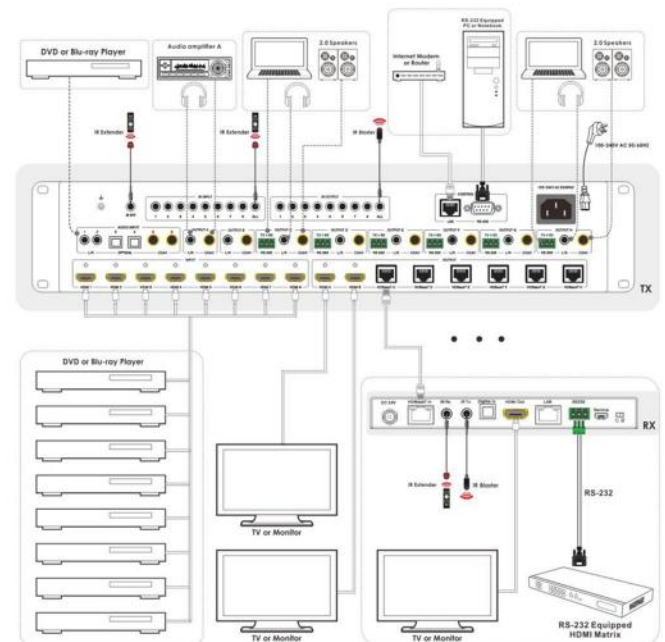
## Technical Specifications

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bandwidth	18 Gbps
Video Resolutions	up to 4K2K@50/60Hz(YUV4:4:4), 4K2K@30Hz, 1080P@120Hz, and 1080P 3D@60Hz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2,
Color Depth	8-bit, 10-bit, 12-bit
HDMI Audio Formats (Pass-through)	LPCM 2/5.1/7.1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
Audio Formats (Audio Matrix)	PCM2.0, 32K/44.1K/48K/88.2K/96K/192K, 16/20/24bit
Audio Volume (Audio Matrix)	-20dB ~ 0dB
L/R Audio Formats	Analog Stereo 2CH
Infrared	20KHz ~ 60KHz
ESD Protection	Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge)
Connections	
Matrix Switcher	
Inputs	8x HDMI Type A [19-pin female] 10x IR In [3.5mm Stereo Mini-jack] 6x RS-232 [Phoenix jack] 1x Ethernet [RJ45] 1x RS-232 [DB9] 2x L/R Audio In [3.5mm Stereo Mini-jack] 2x Optical Audio In [Toslink] 2x Coaxial Audio In [RCA]
Outputs	2x HDMI Type A [19-pin female] 9x IR Out [3.5mm Stereo Mini-jack] 8x L/R Audio Out [3.5mm Stereo Mini-jack] 8x Coaxial Audio Out [RCA] 6x HDBaseT Out [RJ45]
HDBT Receiver	
Inputs	1x HDBaseT In [RJ45] 1x IR In [3.5mm Stereo Mini-jack] 1x Optical In [Toslink]
Outputs	1x HDMI Type A [19-pin female] 1x IR Out [3.5mm Stereo Mini-jack] 1x LAN [RJ45]

## HDM88-18G-HDBT-100

Aeon's flagship 8x8 HDBaseT Matrix is capable of transmitting a 4K 18Gbps signal over 100m Category cable via HDBaseT protocol. The HDM88-18G-HDBT-100 is also equipped with ARC, CEC, EDID management as well as a full IR solution to each display and source.

This matrix is ideal for commercial and residential HDMI distribution solutions.



**Support Transmission distance:**

**100 meters:**  
4K60 4:4:4 18Gbps

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