

MS-HBT44B70 4×4 HDMI 18Gbps Over HDBaseT Matrix



Overview

The 4×4 HDBaseT Matrix supports the transmission of video (up to 4K2K@60Hz, 18Gbps, HDCP 2.2) and multi-channel digital audio from 4 HDMI sources to 3 HDBaseT-Lite outputs and 1 independent HDMI 2.0 output.

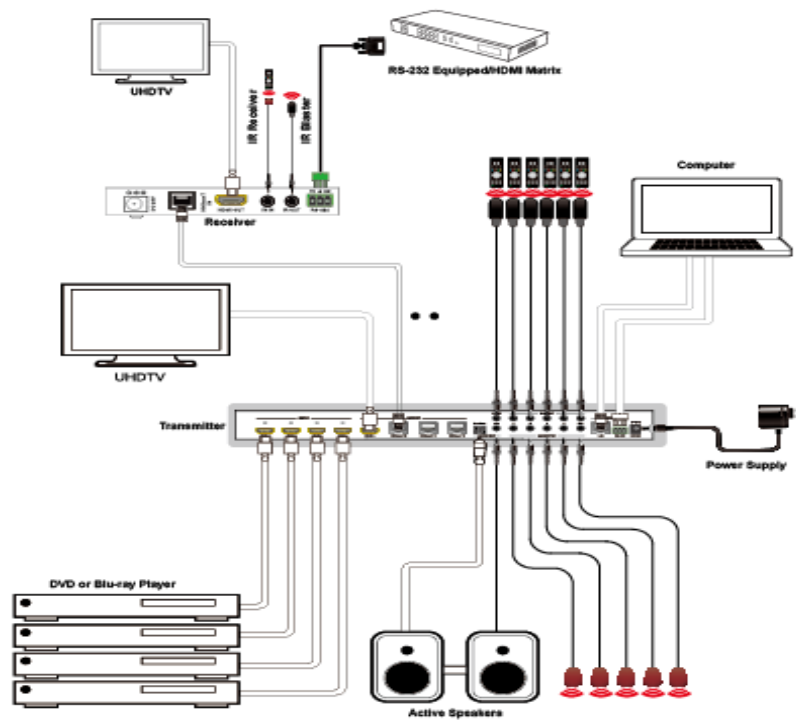
It supports audio de-embedding from any one of 4 outputs (configurable).

Any source can be selected it via on-panel button, IR remote control, RS-232, LAN or Web GUI.

Key Features

- HDMI 2.0b, HDCP 2.2 and HDCP 1.4 compliant
- Up to 4K2K@60Hz (4:4:4) on all HDMI and HDBaseT ports
- Supports pass-through audio up to 7.1 channels of High-Definition audio (LPCM, Dolby TrueHD, and DTS-HD Master Audio)
- Digital and analog audio de-embedding from any one of 4 outputs (configurable)
- HDR and smart EDID management supported
- 24V POC on all HDBaseT ports
- Control is via on-panel Button, IR, RS-232, LAN and Web UI
- Transmission distance: ✕Over CAT6 cable70 meters: 1080P @60Hz36bit;40 meters: 1080P @60Hz@48bit; 1080P@120Hz@24bit;4K2K@50/60Hz (YUV420), 4K2K@50/60Hz (YUV444).

Schematic



Specifications

TECHNICAL		
HDMI Compliance	HDMI 2.0b	
HDCP Compliance	HDCP 2.2 and HDCP 1.4	
Video Bandwidth	Up to 18Gbps	
Video Resolutions	Up to 4K2K@50/60Hz(YUV4:4:4), 4K2K@30Hz, 1080P@120Hz and 1080P 3D@60Hz	
Color Depth	10-bit, 12-bit	
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2	
HDMI Audio Formats (PASS-THROUGH)	LPCM2/5.1/7.1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X	
ESD Protection	Human-body Model : ±8kV (Air-gap discharge) , ±4kV (Contact discharge)	
CORRECTIONS		
Transmitter	Input Ports: 4×HDMI Type A (19-pin female) 6×IR IN (3.5mm Stereo Mini-jack) 1×RS-232 (Phoenix jack) 1×LAN (RJ45)	Output Ports: 1×HDMI Type A (19-pin female) 3×HDBaseT (RJ45) 1×SPDIF (Optical) 1×L/R (3.5mm Stereo Mini-jack) 5×IR OUT (3.5mm Stereo Mini-jack)
	Input ports: 1×HDBaseT In [RJ45] 1×IR In [3.5mm Stereo Mini-jack]	Output ports: 1×HDMI Type A [19-pin female] 1×IR Out [3.5mm Stereo Mini-jack] 1×RS-232 [Phoenix connector]
Mechanical		
Housing	Metal Enclosure	
Colour	Black	
Dimensions	TX: 360mm (W)×160mm (D)×35mm (H) RX: 115mm(W)×65mm(D)×17mm(H)	
Weight	TX: 1.9kg, RX: 206g	
Power Supply	DC 24V/2.7A	
Power Consumption	35W(max) / 1W (Standby)	
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F	