

DVDO-Matrix-HDBT-Rx

4K 70m HDBaseT Receiver
for DVDO-Matrix-42-HDBT
4x2 Matrix Switcher



DVDO-Matrix-HDBT-Rx is an HDBaseT receiver that connects to an HDBaseT output of the DVDO-Matrix-42-HDBT 4x2 matrix switcher.

It can receive 1080p signals up to 70m/230ft and 4K60 signals up to 40m/131ft via a single CATx cable.

It offers audio de-embedding with a separate S/PDIF Toslink audio output.

It supports PoC, bi-directional IR & RS232, HDR and CEC.

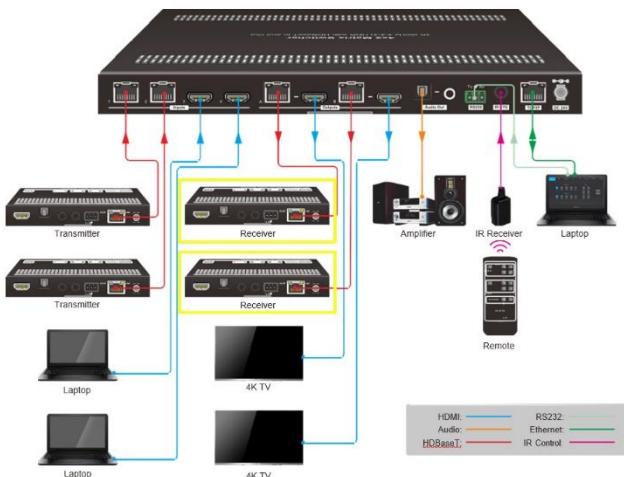
Features

- HDMI 2.0, HDCP 2.2 and DVI 1.0 compliant
- Supports video resolutions up to 4K@60Hz 4:4:4 with 18Gbps bandwidth
- Maximum transmission distance: 70m/230ft for 1080p signals and 40m/131ft for 4K60 signals with CATx cable
- Audio de-embedding with separate S/PDIF Toslink audio output
- PoC (powered by DVDO-Matrix-42-HDBT)
- Bi-directional IR & RS232
- HDR 10
- CEC pass-through
- Mounting ears included

Applications

- Conference Rooms	- Education
- Hospitality	- Restaurants
- Digital Signage	- Retail
- Houses of Worship	- Residential

Application Diagram



Technical Specifications

Technical	
Compliance	HDMI 2.0 / HDCP 2.2 & 1.4
Video Bandwidth	18Gbps
Transmission Distance	1080p@60Hz ≤ 230ft/70m / 4K@60Hz ≤ 131ft/40m
Video	
Inputs	1 x HDBaseT [RJ45]
Input Resolutions	Up to 4K@60Hz 4:2:0
Outputs	1 x HDMI Type A [19-pin female]
Output Resolutions	Up to 4K@60Hz 4:4:4 8bit HDR10
Audio	
Inputs	1 x S/PDIF [Toslink] – ARC function not available on DVDO-Matrix-42-HDBT
Outputs	1 x S/PDIF [Toslink]
Audio Formats	PCM, Dolby Digital, Dolby True-HD, DTS and DTS-HD
Control	
Control Ports	1 x ARC Mode [button] - ARC function not available on DVDO-Matrix-42-HDBT 1 x Firmware [micro USB] 1 x IR In [3.5mm jack] 1 x IR Out [3.5mm jack] 1 x RS232 [3-pin terminal block]
Mechanical	
Enclosure	Metal / Black
Dimensions	140 (W) x 84 (D) x 19.5 (H) mm
Product Weight	290g
Power Supply	Input: AC 100-240V 50/60Hz / Output: DC 24V 1.25A
Power Consumption	12W (Max)
Operating Temperature	-5°C to 55°C (23°F to 131°F)
Storage Temperature	-25°C to 70°C (-13°F to 158°F)
Relative Humidity	10% to 90%