

# DVDO

## DVDO-Matrix-HDBT-Tx

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



DVDO-Matrix-HDBT-Tx is an HDBaseT transmitter that connects to an HDBaseT input of the DVDO-Matrix-42-HDBT 4x2 matrix switcher.

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

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

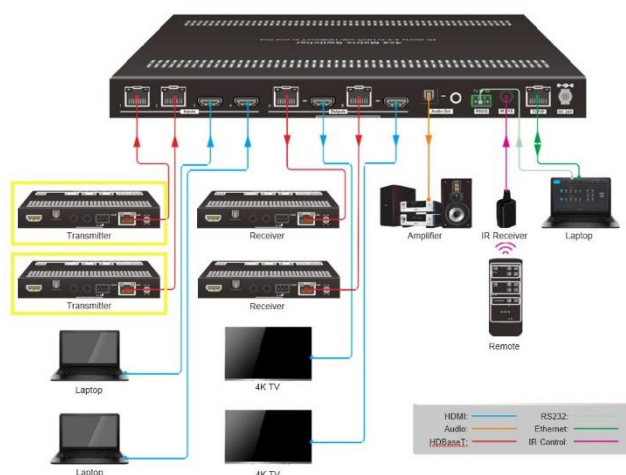
## Features

- 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
- 1080p to 4K upscaling
- PoC (powered by DVDO-Matrix-42-HDBT)
- Bi-directional IR & RS232
- HDR 10
- CEC pass-through
- EDID management
- 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 HDMI Type A [19-pin female]
Input Resolutions	Up to 4K@60Hz 4:4:4 8bit HDR10
Outputs	1 x HDBaseT [RJ45]
Output Resolutions	Up to 4K@60Hz 4:2:0
Audio	
Outputs	1 x S/PDIF [Toslink] – ARC function not available on DVDO-Matrix-42-HDBT
Audio Formats	PCM, Dolby Digital, Dolby True-HD, DTS and DTS-HD
Control	
Control Ports	1 x Test Pattern [button] 1 x 1080P -> 4K [button] 1 x EDID [4-pin DIP switch] 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	275g
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%