

# DVDO

## DVDO-RS-4

### 4K HDMI & USB-C Wall Plate Extender Kit over Ethernet



DVDO-RS-4 is an extender over category cable including a wall plate transmitter with switchable HDMI and USB-C inputs and a receiver. The transmitter includes a second USB-C port for charging.

It features a US one-gang enclosure for Decora-style wall plate openings as well as a white wall plate and faceplate.

It supports video resolutions up to 4K60 4:4:4, HDR and various audio formats.

It can extend 4K24 signals up to 164ft / 50m and 4K60 signals up to 115ft / 35m via a single CAT5e/6 cable.

The transmitter is powered by the receiver over the category cable (PoC).

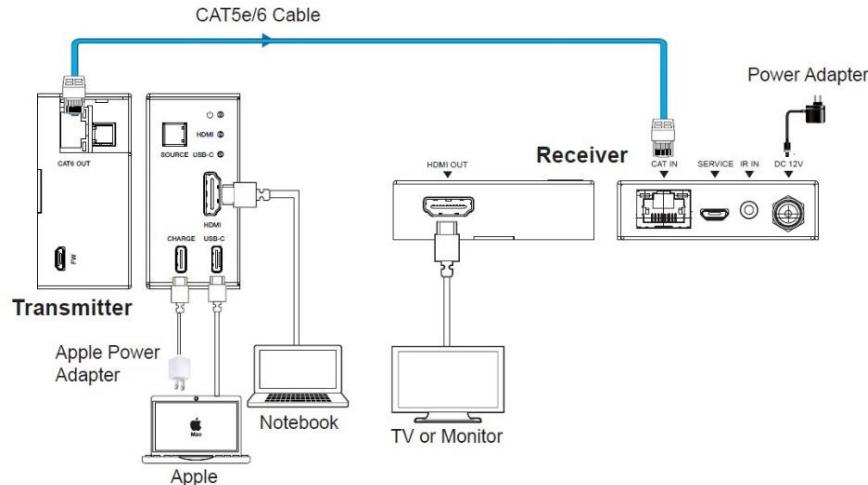
## Features

- HDMI 2.0b / HDCP 2.2 compliant
- 1 HDMI & 1 USB-C inputs + 1 USB-C charging port
- Video resolutions up to 4K50/60 4:4:4
- Video bandwidth: 18 Gbps (HDMI input) / 5.4 Gbps (USB-C input)
- CAT output can extend signals up to 164ft / 50m for 4K@24 or 115ft / 35m for 4K@60 4:4:4 via a single CAT5e/6 cable
- HDMI audio formats supported: LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
- US one-gang enclosure for Decora-style wall plate openings
- Supports 3D, HDR10 and Dolby Vision
- Automatic & manual input selection
- PoC (only from Receiver to Transmitter)

## Applications

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

# Application Diagram



## Technical Specifications

Technical	
Compliance	HDMI 2.0b / HDCP 2.2
Video Bandwidth	USB-C: 5.4 Gbps / HDMI: 18 Gbps
Video Resolutions	480i~1080p50/60Hz, 4Kx2K@24/30/60Hz
Color Space	RGB, YCbCr 4:4:4 / 4:2:2, YUV 4:2:0
Color Depth	8/10/12-bit (1080p@60Hz) / 8-bit (4K@60Hz)
HDMI Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
Transmission Distance	Max distance over CAT5e/6: 4K@24: 164ft / 50m; 4K@60: 115ft / 35m
ESD Protection	Human body model — $\pm 8\text{kV}$ (Air-gap discharge) & $\pm 4\text{kV}$ (Contact discharge)
Connections	
Transmitter	Inputs: 1 x HDMI Type A [19-pin female] + 1 x USB-C Outputs: 1 x CAT6 OUT [RJ45, 8-pin female] + 1x USB-C (charging only) Control: 1 x FW [Micro USB, Update port]
Receiver	Input: 1 x CAT IN [RJ45, 8-pin female] Output: 1 x HDMI OUT [Type A, 19-pin female] Control: 1 x IR IN [3.5mm Stereo Mini-jack] + 1 x SERVICE [Micro USB, Update port]
Mechanical	
Housing	White metal enclosure
Dimensions	Wall plate: 33.3mm [W] x 65.7mm [D] x 68.7mm [H] Faceplate: 69.9mm [W] x 3mm [D] x 114.3mm [H] Receiver: 88mm [W] x 61mm [D] x 18mm [H]
Weight	Wall plate: 195g, Receiver: 155g
Power Consumption	Wall plate: 3W (Max), Receiver: 3.72W (Max)
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20- 90% RH (no condensation)