

DVDO

DVDO-Splitter-12-CAT

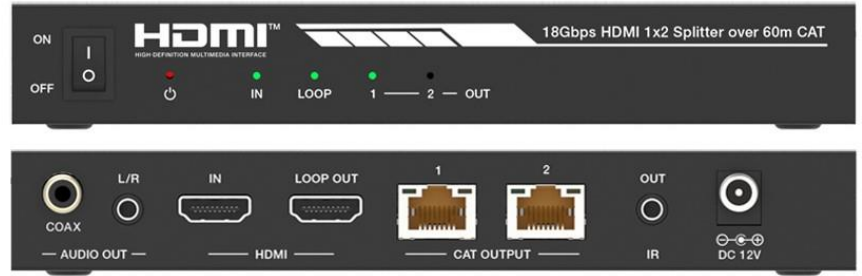
4K 1x2 HDMI Splitter with CAT Outputs

DVDO-Splitter-12-CAT is an 18Gbps 1x2 HDMI splitter that can distribute a single HDMI source signal to any 2 display devices, with supported video resolutions up to 4K2K@50/60Hz 4:4:4.

The splitter has 1 HDMI loop output in addition to the 2 CAT outputs and comes with 2 CAT receivers.

The HDMI signal transmission distance can be extended up to 115ft/35m at the resolution of 4K2K@60Hz, or 164ft/50m at 4K2K@30Hz, or 197ft/60m at 1080p@60Hz via a single CAT6/6a/7 cable.

DVDO-Splitter-12-CAT supports one-way IR control signal pass-through, audio extract function and advanced EDID management.



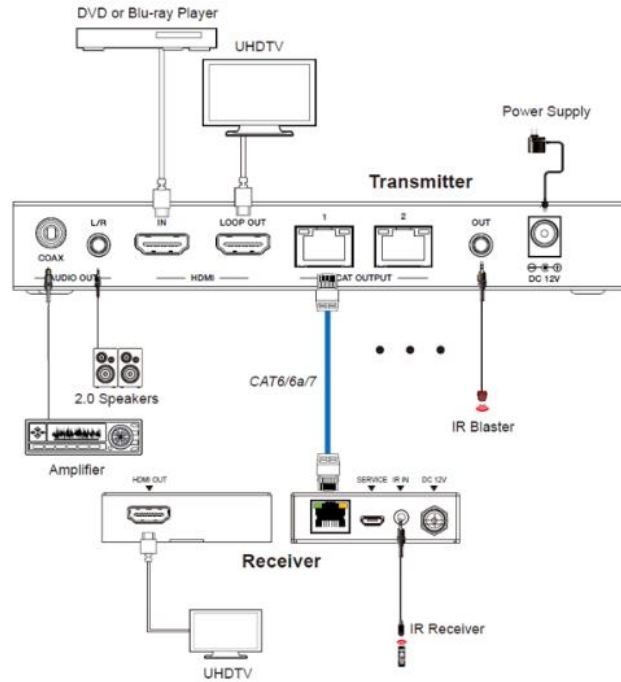
Features

- Includes 1x2 splitter and 2 CAT receivers
- HDMI 2.0b, HDCP 2.2 and HDCP 1.x compliant
- 18Gbps video bandwidth
- Supports video resolutions up to 4K2K@50/60Hz 4:4:4
- HDR, HDR10+, HLG, Dolby Vision
- Up to 7.1CH HD audio pass-through
- Digital and analog audio de-embedded outputs
- Extend the signal transmission distance up to 115ft/35m at the resolution of 4K2K@60Hz, 164ft/50m at 4K2K@30Hz, 197ft/60m at 1080P@60Hz via a single CAT6/6a/7 cable
- 1 HDMI input, 1 HDMI loop output and 2 CAT outputs
- 20-60Hz IR control source equipment from Rx side
- Advanced EDID management
- One-way PoC function (only from transmitter to receiver)

Applications

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

Application Diagram



Technical Specifications

| | | | |
|-----------------------|--|-----------------------|--|
| Technical | | Connections | |
| HDMI Compliance | HDMI 2.0b | Input port | 1 x HDMI IN [Type A, 19-pin female] |
| HDCP Compliance | HDCP 2.2 / 1.x | Output ports | 1 x HDMI LOOP OUT [Type A, 19-pin female] 2 x CAT OUTPUT [RJ45, 8-pin female] 1 x COAX AUDIO OUT [RCA] 1 x L/R AUDIO OUT [3.5mm Stereo Mini-jack] |
| Video Bandwidth | 594MHz / 18Gbps | Control | 1 x SERVICE [Micro USB, Update port] 1 x IR OUT [3.5mm Stereo Mini-jack] |
| Video Resolutions | Input & Loop Out: 480i~1080p50/60Hz, 4K2K@24/30/60Hz | Mechanical | |
| Color Depth | 8-bit, 10-bit, 12-bit (1080p@60Hz, 4K2K@60Hz YCbCr 4:2:2 / 4:2:0) 8-bit (4K2K@60Hz YUV 4:4:4) | Housing | Metal Enclosure |
| Color Space Depth | RGB, YCbCr 4:4:4 / 4:2:2, YUV 4:2:0 | Color | Black |
| HDR | HDR10, HDR10+, HLG, Dolby Vision | Dimensions | Transmitter: 175mm (W) × 100mm (D) × 25mm (H) Receiver: 88mm (W) × 61mm (D) × 18mm (H) |
| HDMI Audio Formats | LPCM, Dolby Digital/Plus/EX, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio | Weight | Transmitter: 485g / Receiver: 155g |
| Analog Audio Formats | PCM 2.0CH | Power Supply | Input: AC100 ~ 240V 50/60Hz Output: DC 12V/1A (US/EU standards, CE/FCC/UL certified) |
| Coaxial Audio Formats | LPCM 2.0, LPCM 5.1, Dolby Digital 2/5.1CH | Power Consumption | 8.28W (max) |
| Extended Distance | 115ft/35m at 4K2K@60Hz (600M Bandwidth) 164ft/50m at 4K2K@30Hz (300M Bandwidth) 197ft/60m at 1080P@60Hz (148.5M Bandwidth) | Operating Temperature | 32 ~ 104°F / 0 ~ 40°C |
| ESD Protection | Human body model: ±8kV (Air-gap discharge), ±4kV (Contact discharge) | Storage Temperature | -4 ~ 140°F / -20 ~ 60°C |
| | | Relative Humidity | 20 ~ 90% RH (no condensing) |