

3D HDMI CATx Extender

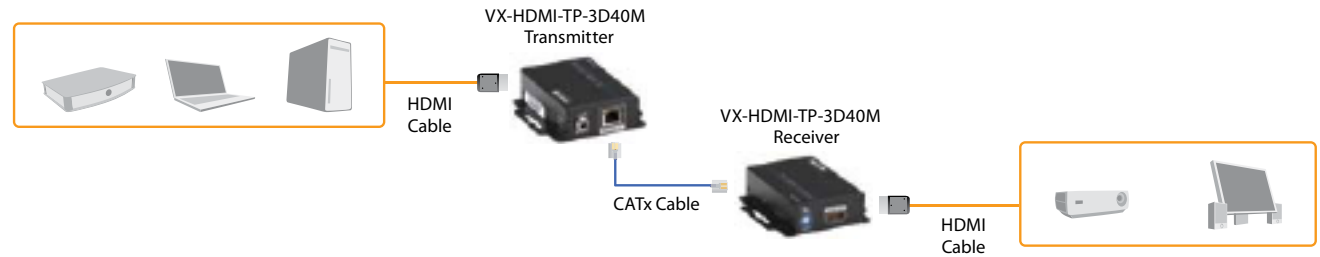
Boost your video/audio transmission distance up to 40 m from the HDMI source at Full HD 1080p 24-bit colour.



FEATURES

- › Supports HDMI Deep Colour and full 3D.
- › Extends the transmission up to 60 m from the HDMI source at HD 1080i or 720p, 24-bit colour.
- › Extends the transmission up to 40 m from the HDMI source at Full HD 1080p, 24-bit colour.
- › Extends the transmission length up to 20 m from the HDMI source under Full HD resolution (1080p at 36-bit colour depth).
- › HDCP 1.1 compliant.
- › Minimises the cable skew by an adjustable 8-level equalisation control.
- › Transmits pure unaltered, uncompressed 7.1 ch digital HDMI over CAT5/5e/6 cable.
- › Supports DTS-HD and Dolby TrueHD high-bit-rate audio.
- › Enables cascading by use of the optional receiver VSPX-HDMI-CSRX.
- › Wallmount housing is easy to install.
- › Compatible with other HDMI over CAT5/5e/6 series products.

Typical configuration.



OVERVIEW

The 3D HDMI Extender boosts your video/audio transmission distance up to 60 metres in HDTV 1080i format, 40 m in HDTV 1080p format, and 20 m in HDTV 1080p with 36-bit colour depth. Buy the optional VSPX-HDMI-CSRX receivers and daisychain up to ten receivers to reach a distance of more than 300 m.

The extender also supports the most advanced 3D video format compliant with the HDMI 1.3a specification so it guarantees the highest 3D video compatibility on the market. With only one CAT5/5e/6 cable, users can readily extend HDTV sources from DVD players, Blu-ray disc players, PS3s, PCs, and any other kinds of sources compliant with TMDS to distant display monitors including HDMI/DVI-enabled TV sets or LCD PC monitors. This flexibility enables HDCP-compliant DVD players or PS3s to transmit the utmost high-quality video and audio with a greater distance at minimal cost, when integrating several components.

The extender includes two units: a transmitter and a receiver. The transmitter captures the input HDMI/DVI signals and carries the signals via one CAT5/5e/6 cable. The receiver equalises the transmitted HDMI signal. The transmission distance between the sending and receiving units can be up to 60 m at HD 720p or 1080i; or 40 m at Full HD 1080p. With an 8-level equalisation rotary control on the receiving unit, users can adjust the equalisation strength to the received HDMI signals accordingly, and optimise the transmission distance between source and destination.

What's included

- Transmitter
- Receiver
- (2) 5-VDC, 2-A wallmount power supplies
- A user's manual

TECH SPECS

Audio Support — Surround sound (up to 7.1 ch) or stereo digital audio
Compliance — HDMI Deep Colour and full 3D, HDCP, HDMI 1.3a
Equalisation — 8-level digital control at RX
ESD Protection — (1) human body model: ± 19 kV (air-gap discharge) and ± 12 kV (contact discharge); (2) core chipset: ± 8 kV
HDMI over Coax Transmission Range — Full HD (1080p): 40 m using CAT5e cable, 50 m using CAT6 cable;
HD (720p/1080i): 50 m using CAT5e cable, 60 m using CAT6 cable
Housing — Metal enclosure
Input DDC Signal — 5 volts (peak-to-peak, TTL)
Input TMDS Signal — 1.2 volts (peak-to-peak)
PCB Stack-up — 4-layer board (impedance control: differential 100 ohms, single 50 ohms)
Video Bandwidth — Single-link 225 MHz (6.75 Gbps)
Video Support — 480i, 480p, 720p, 1080i, 1080p (up to 36-bit colour)
User Controls — Transmitter: (1) mode rotary switch;
Receiver: (1) signal-level rotary switch
Connectors — Transmitter: Input: (1) HDMI Type A (19-pin female), Output: (1) RJ-45 (WE/SS 8P8C with [2] LED indicators), (1) HDMI Type A connector (19-pin female);
Receiver: Input: (1) RJ-45 (WE/SS 8P8C with [2] LED indicators), Output: (1) HDMI Type A (19-pin female)
Indicators — Each unit: (2) LEDs
Temperature Tolerance — Operating: 0 to $+40^{\circ}$ C;
Storage: -20 to $+60^{\circ}$ C
Relative Humidity — 20 to 90%, noncondensing
Power — Power supply: (1) 5 VDC, 2 A;
Consumption: Transmitter: 4 watts (maximum);
Receiver: 1.5 watts (maximum)
Dimensions — Each unit: 12.6H x 6W x 9.1D cm
Weight — Transmitter: 0.2 kg;
Receiver: 0.19 kg

Item

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Code

VX-HDMI-TP3D40M