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# CT-HDVD-EXT-IR180

## HD & Infrared Control Over a Single Cat5e / 6

### Features:

- Distributes HDMI signal over a single Cat5e or Cat6 4 Pair cable
- Extends transmission distance up to 180' from sources up to 1080p
- No settings or adjustments required
- Uses a single UTP LAN cable (CAT-5e / 6)
- Auto-adjustment of feedback, equalization & amplification
- HDMI V1.3 supported
- HDCP compliant
- Supports 1080p @ 60Hz @ 48 b/pixels, 3D and 4Kx2K
- LED indicators indicate power and video signal status
- Internal ESD protection
- Wall mountable
- Supports two way Infrared control signals
- Units can be cascaded.



### Description:

The CT-HDVD-EXT-IR180 kit has the ability to transmit and receive a 1080p HD source up to 180 feet along with Infrared control over a single Cat5e / Cat6 4 Pair UTP Cable. With a single low cost CAT-5e/6 cable, users can readily extend HDTV sources from DVD players, PS3, PC, and many other sources compliant with TMDS HDMI to distant display monitors including HD enabled TV sets or LCD PC monitors. This cost effective flexibility allows HDCP compliant DVD players or PS3 to transmit high quality video and audio with a greater distance at a minimal cost.

The transmitting unit is used to capture the input HD signal and carry the signal over a single RJ-45 connector through the Cat-5e / 6 cable. The receiving unit is responsible for receiving and equalizing the transmitted TMDS HDMI multimedia data.

### Specifications:

Input Video Signal	0.5-1.0 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Video Format Supported	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz
	DTV/HDTV: 1080p/1080i/
Output Video	HDMI 1.3+HDCP
Output Audio	Support DTS-HD, Dolby-HD
Maximum Transmission Distance	
Video format up to 1080p 60Hz 36bpp	Up to 180 Feet using Cat6
Operating Temperature Range	32°F to +140°F
Operating Humidity Range	5 to 90 % RH (no condensation)
Power Supply	5VDC, 1A
Power Consumption Transmitter	2 Watts (Max.)
Power Consumption Receiver	2 Watts (Max.)
Dimensions	2.85"W × 1.0"H × 2.65"D
Weight	TX 0.4 lbs., RX 0.4 lbs.

### Package Contents:

- 1 Base transmission unit
- 1 Base receive unit
- 1 Operating Instructions
- 2 5VDC power supply
- 1 IR emitter cable
- 1 IR target cable

### Ordering Information:

CT-HDVD-EXT-IR180      HDMI over twisted pair transmitter / receiver kit

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