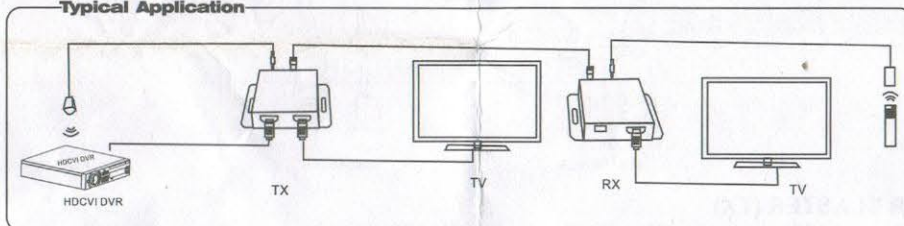


HDMI Extender

The HDMI Extender over Single Cat 6 with IR extends high definition video and audio signals and IR, at a distance of up to 50m over a single Cat 6 cable. Features EDID management, which allows and encourages source and display "handshake" for seamless integration. With only one cost effective Cat 6 cable, high definition sources with HDMI outputs can be connected to high definition displays with HDMI inputs over long distance. DVR, NVR, deep color video, DTS-HD or Dolby True HD audio is supported and compatible with the extender. In addition, the extender is also equipped with pass-through which allows for source control.

The extender includes two units: transmitting unit and receiving unit. The transmitting unit is used to capture the HDMI input with IR signals and carries the signals via one cost effective Cat 6 cable. The receiving unit is responsible for equalizing the transmitted HDMI signal and reconstructing IR control signals. The extender offers the most convenient solution for HDMI extension over a single Cat 6 with long distance capability, and is the perfect solution for any application.

Typical Application



Features

- Allows HDMI Audio/Video and IR signals to be transmitted over a single Cat 6 cable.
- Support copy EDID from receiver display or loop out display
- Allows for cascading via additional HDMI loop out port.
- Support Power over cable function.
- Transmission Range: Extends 1080p resolution up to 50m/164ft over a single Cat 6 cable.
- Works with HDMI and HDCP compliant devices
- Supports up to 1080p High Definition resolution.
- Compact design for an easy and flexible installation.

Specifications

Video Bandwidth:	Single-link 165Mhz [4.95Gbps]
Video Support:	480i/480p/720p/1080i/1080p
Audio Support:	Surround Sound (up to 7.1 ch) or stereo digital audio
Transmission Range:	HD [1080p 24-bit color] – up to 50m [164 ft]
Input TMDS Signal:	3.3 volts
Input DDC Signal:	5.0 volts/P-P
ESD Protection:	± 8kV (air-gap discharge) ± 4kV (contact discharge)
HDMI Connector:	Type A 19 pin female
RJ-45 Connector:	WE/SS 8P8C
3.5mm Connector:	(TX and RX) IR Receiver/IR Blaster
Housing:	Metal enclosure
Power Supply:	DC5V 1A
Power Consumption:	1.5W (TX); 1.0W (RX)
Operation Temperature:	-10~55 °C
Storage Temperature:	-20~80 °C
Relative Humidity:	20~90 % RH (no condensation)

RX Equalizer Distance Adjust

If you see flickering or blinking image on the display, adjust the EQ switch to improve the cable skew. MAX stands for the strongest HDMI signal level for the longest possible transmission length while MIN stands for the weakest HDMI signal level for short transmission length. Adjust the signal level from MIN to MAX until desired video quality is displayed.

Recommend EQ setting			
Position	Cable Length	Position	Cable Length
0 1	under 15m(49.5ft)	2 3	15-30m(49.5ft-99ft)
4 5	30-40m(99ft-132ft)	6 7	40-50m(132ft-164ft)

Package Contents

- HDMI Transmitter (1 pc)
- HDMI Receiver (1 pc)
- Windband IR Tx Cable (1 pc)
- Windband IR Rx Cable (1 pc)
- DC5V 1A Power Adapter (1 pc)
- User Manual (1 pc)