

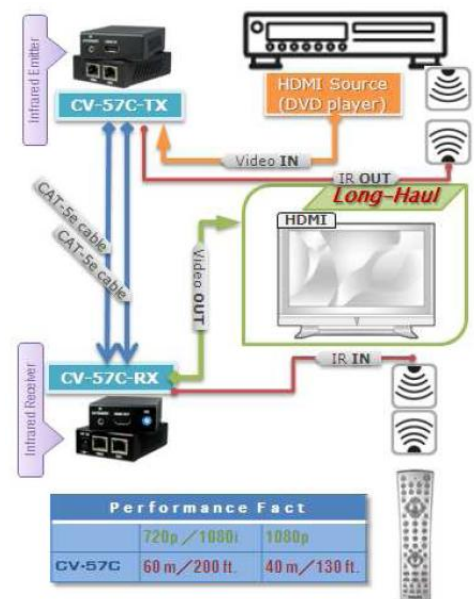


The **CV-57C HDMI 1.3 over CAT5 Extender with IR Control Path** boosts up your HDMI transmission distance up to 60m (200ft) in HDTV 720p / 1080i format. With two low cost CAT-5/5e/6 LAN cables, users can readily extend HDTV sources from DVD players, Blu-ray Disc player, PS3, PC, and any other kinds of sources compliant with TMDS to distant display monitors including HDMI enabled TV sets, LCD PC monitors, or projectors. This cost effective flexibility makes HDCP compliant DVD players or PS3 transmit high quality video and audio with a greater distance at the minimal cost, when integrating several components apart. In addition, with the embedded infrared (IR) receiving and emitting units to facilitate the control path, users can enjoy high quality audio/video and control the HDMI sources from the remote site instantly.

The CV-57C includes two units: CV-57C-TX as the transmitting unit and CV-57C-RX as the receiving unit. The transmitting unit is used to transfer the HDMI/DVI and IR signals input and carry the signals through two RJ-45 connectors over two low cost CAT-5/5e/6 LAN cables. The receiving unit is responsible for equalizing transferred TMDS multimedia data and re-sending IR signals. The transmission distance between the sending and receiving units can be up to 60m (200ft) under HD resolution (720p or 1080i) or 40m (130ft) under Full HD resolution (1080p). With 8-level equalization control on the receiving unit, users can adjust the equalization scale to the received TMDS signals, and therefore optimize the transmission distance between source and destination.

Features

- ⌘ HDMI 1.3c compliant
- ⌘ Extends the transmission distance up to 60m (200ft) from the sources under 1080i or 720p
- ⌘ Extends the transmission distance up to 40m (130ft) from the sources under 1080p
- ⌘ Provides independent DDC channel, fully HDCP compliant
- ⌘ Minimizes the cable skew by adjustable 8-level equalization control
- ⌘ Embedded IR control path
- ⌘ Pure unaltered uncompressed 7.1ch digital HDMI over LAN cable transmission
- ⌘ Allows cascading
- ⌘ Perfectly integrated with other HDMI over CAT5 series products



Specifications

Model Name	CV-57A		CV-57C		CV-57B	
Technical	CV-57A-TX	CV-57A-RX	CV-57C-TX	CV-57C-RX	CV-57B-TX	CV-57B-RX aka CV-715
Role of usage	Transmitter [TX]	Receiver [RX]	Transmitter [TX]	Receiver [RX]	Transmitter [TX]	Receiver [RX]
HDMI compliance	HDMI 1.3c				HDMI 1.2a	
HDCP compliance	Yes					
Video bandwidth	Single-link 340MHz [10.2Gbps]				Single-link 165MHz [4.95Gbps]	
Video support	480i / 480p / 720p / 1080i / 1080p60					
Transmission	Full HD (1080p)-40m (130ft) [CAT5e] / 50m (165ft) [CAT6] HD (720p/1080i)-50m (165ft) [CAT5e] / 60m (200ft) [CAT6]					
Audio support	Surround sound (up to 7.1ch) or stereo digital audio					
Equalization	8-level digital control at RX					
Input TMDS signal	1.2 Volts [peak-to-peak]					
Input DDC signal	5 Volts [peak-to-peak, TTL]					
ESD protection	[1] Human body model — ±15kV [air-gap discharge] & ±8kV [contact discharge] [2] Core chipset — ±8kV					
PCB stack-up	4-layer board [impedance control — differential 100Ω; single 50Ω]					
Input	1x HDMI	2x RJ-45	1x HDMI	2x RJ-45 1x 3.5mm	1x HDMI	1x RJ-45
Output	2x RJ-45	1x HDMI	2x RJ-45 1x 3.5mm	1x HDMI	1x RJ-45	1x HDMI
HDMI source control	No		Controllable through IR control path from IR receiver at receiver sites		No	
IR remote control	N/A		Electro-optical characteristics: $\tau = 25^\circ$ Carrier frequency: 38kHz		N/A	
HDMI connector	Type A [19-pin female]					
RJ-45 connector	WE/SS 8P8C with 2 LED indicators					
3.5mm connector	None	None	IR emitter	IR receiver	None	None
Rotary switch	None	EQ	None	EQ	Mode	EQ

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