

Model : **CATS-HDMI-Tx1/Rx1**

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HDMI 1.3 over CAT5 Extender with IR Pass-through

Extending HDMI Source & IR Control Signal Simultaneously

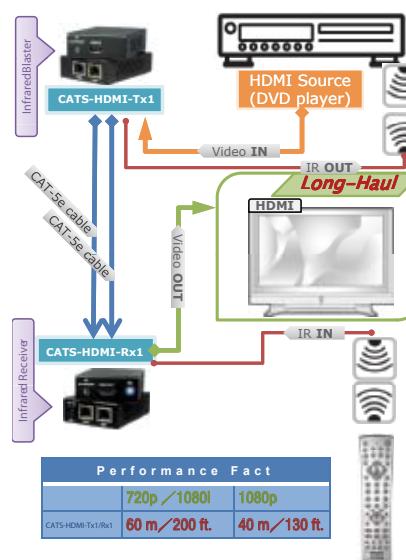


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FEATURES

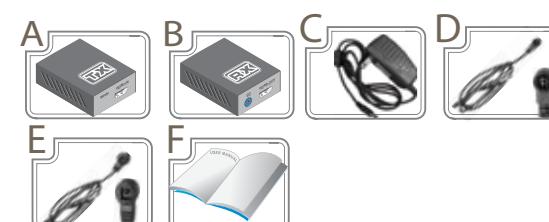
- HDMI 1.3c compliant
- Extends the transmission distance up to 60m (200ft) from the sources under 1080i or 720p
- Extends the transmission distance up to 40m (130ft) from the sources under 1080p
- Provides independent DDC channel, fully HDCP compliant
- Minimizes the cable skew by adjustable 8-level equalization rotary control switch
- Embedded IR pass-through from RX to TX
- Pure unaltered uncompressed 7.1ch digital HDMI over LAN cable transmission
- Wall mounting housing design for easy and robust installation
- DTS-HD and Dolby True HD high bit rate audio support
- Allows cascading
- Perfectly integrated with other HDMI over CAT5 series product



SPECIFICATIONS

Model Name	CATS-HDMI-Tx1/Rx1	
Technical	CATS-HDMI-Tx1	CATS-HDMI-Rx1
Role of usage	Transmitter [TX]	Receiver [RX]
HDMI compliance	HDMI 1.3c	
HDCP compliance	Yes	
Video bandwidth	Single-link 225MHz [6.75Gbps]	
Video support	480i / 480p / 720p / 1080i / 1080p60	
HDMI transmission over LAN cable	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	
Signal equalization	8-level digital rotary switch for signal level 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 3.5mm
Output	2x RJ-45 1x 3.5mm	1x HDMI
HDMI source control	Controllable via IR pass-through from RX to TX through LAN cable	
IR remote control	Electro-optical characteristics: θ = 25° Carrier frequency: 38kHz	
HDMI connector	Type A [19-pin female]	
RJ-45 connector	WE/SS 8P8C with 2 LED indicators	
3.5mm connector	IR blaster	IR receiver
Rotary control switch	None	Signal level equalization
Mechanical	CATS-HDMI-Tx1/Rx1	
Housing	Metal enclosure	
Dimensions [L x W x H]	Model	[TX/RX] – 85 x 90 x 25mm [3.3" x 3.5" x 1"]
	Package	175x270 x 80mm [10.6" x 6.9" x 3.1"]
	Carton	450 x 370 x 300mm [16" x 13" x 12"]
Weight	Model	320g [11.3oz]
	Package	720g [1.6 lbs]
Fixedness	Wall-mounting case with screws	
Power supply	5V 4A DC	
Power consumption	1 Watt [max]	
Operation temperature	0~40°C [32~104°F]	
Storage temperature	-20~60°C [-4~140°F]	
Relative humidity	20~90% RH [no condensation]	

PACKAGE CONTENTS



- A. CATS-HDMI-Tx1 [TX]
- B. CATS-HDMI-Rx1 [RX]
- C. DC 5V 4A wall wart
- D. IR blaster
- E. IR receiver
- F. User Manual