

MU-CATHD11T/2-06-ST (TX) & MU-CATHD11R/2-06-ST (RX)

HDMI over Cat-5 Wall Plate Extender



MU-CATHD11T/2-06-ST
[Transmitter]



MU-CATHD11R/2-06-ST
[Receiver]

Features

- Support HDMI Deep Color
- HDCP compliant
- Extends HDMI signals up to 50m over CAT5e at 1080p
- Purely unaltered uncompressed 7.1ch digital HDMI transmission
- Embedded IR pass-through from RX to TX to control source device
- Easy installation with wall-plate mounting design

Technical specification

	MU-CATHD11T/2-06-ST [Transmitter]	MU-CATHD11R/2-06-ST [Receiver]
Input:	1×HDMI	2×RJ45 + 1×3.5mm
Output:	2×RJ45 + 1x 3.5mm	1×HDMI
HDMI source control:	Controllable via IR pass-through from RX to TX	
IR remote control:	Electro-optical characteristics: $\tau = 25^\circ$ / Carrier frequency: 20~60kHz	
HDMI connector:	Type A (19-pin female)	
RJ45 connector:	WE/SS 8P8C	
3.5mm connector:	3.5mm jack for IR emitter	3.5mm jack for IR receiver
Rotary control:	None	EQ for signal equalization
HDMI compliance:	HDMI Deep Color	
HDCP compliance:	Yes	
Video bandwidth:	Single-link 225MHz (6.75Gbps)	
Video support:	480i / 480p / 720p / 1080i / 1080p60 24/30/36-bit color	
Audio support:	Surround sound (up to 7.1ch) or stereo digital audio	
HDMI over UTP Transmission (24-bit)	Full HD (1080p)-40m (130ft) [CAT-5] HD (720p/1080i)-50m (165ft) [CAT-5]	
HDMI equalization:	N/A	8-level digital rotary control
Input TMDs signal:	1.2 Volts (peak-to-peak)	
Input DDC signal:	5 Volts (peak-to-peak, TTL)	
ESD protection:	[1] Human body — $\pm 19\text{kV}$ air-gap discharge & $\pm 12\text{kV}$ contact discharge [2] Core chipset — $\pm 8\text{kV}$	
PCB stack-up:	PCB stack-up 4-layer board (impedance control — differential 100 Ω ; single 50 Ω)	
Fixedness:	Wall plate mounting	
Power supply:	12V 1A DC at either TX or RX	
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)	
Housing:	Metal enclosure	
Gross dimensions :	95 x 190 x 80mm	
Gross weight:	620 g	

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Diagram

MU-CATHD11T/2-06-ST (Transmitter)

MU-CATHD11R/2-06-ST (Receiver)

