## **CAT.5 HDMI Extenders**

Models 1T-CT-620 Series

tāV**ON€TASK** 

1T-CT-620 Series is a system for the transmission of HDMI (or DVI-D) signals at resolutions up to 1920x1200 and 1080p, plus embedded audio, over Cat.5/5E or Cat.6 cable at great distances. The 1T-CT-621 Transmitter used in conjunction with the 1T-CT-624 Receiver can achieve distances up to 150 meters (450 feet), while use of the 1T-CT-628 Receiver can achieve distances up to 250 meters (750'). Achieving such long distances with an HDMI signal at 1080p requires use of a unique analog/digital hybrid transmission system.

For normal operation, two Cat.5/5E or 6 cables are required, one for the main signal and one for the HDCP/DDC signal. Single cable operation is possible under certain circumstances; check with TV One Tech Support. The Receivers provide Gain and Equalization adjustments. The system is fully compatible with DVI-D signals. The unique TV One-task locking power connectors are used to enhance overall system security.

## **Specifications**

Video I/O		
1T-CT-621 Tx-HDMI In	1	1x via HDMI Connector
1T-CT-624, 628 Rx-HDM	Out 1	1x via HDMI Connector
UTP Outputs I/O		
1T-CT-621 Tx - UTP Out	2	2x via RJ-45 (Main & Aux)
1T-CT-624, 628 Rx – UTF	Pln 2	2x via RJ-45 (Main & Aux)
UTP Structure		
Main UTP Connector	I	HDMI Video/Audio Signal
Auxiliary UTP Connector	I	HDCP/DDC Control Signal
Video Performance		
Maximum Resolution	Up to 1	920x1200, 1080p / 60Hz
Video Bandwidth	1.65Gb	pps
Adjustments		
1T-CT-624, 628	Equaliz	ation and Gain
Maximum Range		
1T-CT-624	150 meters (450 ft)	
1T-CT-628	250 me	eters (750 ft)
Environmental		
Operating Temperature	0° to +5	50° C (+32° to +122° F)

10% to 90%, Non-condensing

-10° to +70° C (12° to +158° F)

10% to 90%, Non-condensing



## **Key Features of the 1T-620 Series**

- HDMI Version 1.2 Compliant
- **DVI-D Compatible**
- Resolutions to 1920x1200, 1080p @ 60Hz
- Max Distance up to 750', depending upon Receiver
- **Embedded HDMI Digital Audio**
- Gain and EQ Adjustments
- Normal operation requires 2x Cat.5, 5E or 6 Cables
- Single cable operation sometimes possible
- Locking power supply for security

## Warranty Limited Warranty 2 Years Parts and Labor **Regulatory Approvals** Encoder/Decoder Unit FCC, CE, RoHS Power Supply UL, CUL, CE, PSE, GS, RoHS **Cable Requirements** CAT.5/5E or CAT 6 Network Grade, Premium Mechanical (H-W-D) All Models 30x123x125mm(1.18x4.84x"4.92) Weight All Models 700g (1.54 lbs) **Power Requirement External Power Supply** 5VDC@2A, Locking DC **Accessories Included** 1x Power Adapter US, UK or Euro 1x User Manual **Model Numbers** 1T-CT-621 Transmitter

Receiver – Up to 150m (450 ft)

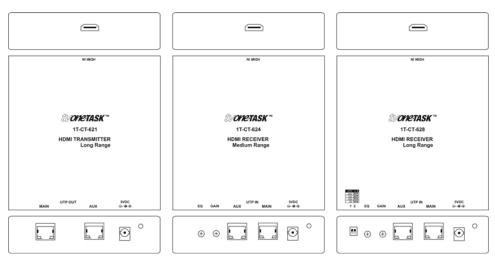
Receiver – Up to 250m (750 ft)

**Panel Drawings** 

Storage Humidity

Operating Humidity

Storage Temperature



1T-CT-624

1T-CT-628