

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	1x via HDMI Connector
1T-CT-624, 628 Rx-HDMI Out	1x via HDMI Connector
UTP Outputs I/O	
1T-CT-621 Tx – UTP Out	2x via RJ-45 (Main & Aux)
1T-CT-624, 628 Rx – UTP In	2x via RJ-45 (Main & Aux)
UTP Structure	
Main UTP Connector	HDMI Video/Audio Signal
Auxiliary UTP Connector	HDCP/DDC Control Signal
Video Performance	
Maximum Resolution	Up to 1920x1200, 1080p / 60Hz
Video Bandwidth	1.65Gbps
Adjustments	
1T-CT-624, 628	Equalization and Gain
Maximum Range	
1T-CT-624	150 meters (450 ft)
1T-CT-628	250 meters (750 ft)
Environmental	
Operating Temperature	0° to +50° C (+32° to +122° F)
Operating Humidity	10% to 90%, Non-condensing
Storage Temperature	-10° to +70° C (12° to +158° F)
Storage Humidity	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
1T-CT-624 Receiver – Up to 150m (450 ft)
1T-CT-628 Receiver – Up to 250m (750 ft)

Panel Drawings

