

1T-CT-631 and **1T-CT-632** constitutes a system used to transmit deep color (12 bits) v1.3 HDMI or DVI-D signals at resolutions up to 1920x1200 and 1080p, plus transmission of embedded lossless audio, over one Cat.6 cable. The system is comprised of the 1T-CT-631 Transmitter and the 1T-CT-632 Receiver plus Power Adaptors. The 1T-CT-631/632 HDMI Extender system can achieve signal distribution distances of up to 38 meters (125 feet) for 1080p signals, 50 meters (165 feet) for 720p/1080i signals and 60 meters (195 feet) for 480p signals when used with a high quality Cat.6 cable infrastructure. The units feature the unique TV One-task locking power connectors to enhance overall system mechanical security.

Specifications

Video I/O

1T-CT-631 Tx-HDMI In 1x via HDMI Connector
 1T-CT-632 Rx-HDMI Out 1x via HDMI Connector

Cat.6 I/O

1T-CT-631 Tx – Cat.6 Out 1x via RJ-45 (Video & DDC)
 1T-CT-632 Rx – Cat.6 In 1x via RJ-45 (Video & DDC)

Cat.6 Structure

Video Connector HDMI Video/Audio Signal

Supported Standards

Industry Standards HDMI 1.3, HDCP 1.1, DVI 1.0

Supported Protocols

Industry Standards xvYCC

Video Performance

Maximum Resolution Up to 1920x1200, 1080p/60Hz
 Video Bandwidth 2.25Gbps

Maximum Range

1080p: 125' (38m)
 720p/1080i: 165' (50m)
 480p: 195' (60m)

1T-CT-631/632 System

Environmental

Operating Temperature 0° to +40° 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

Warranty

Limited Warranty 3 Years Parts and Labor

Regulatory Approvals

Encoder/Decoder Unit FCC, CE, RoHS
 Power Supply UL, CUL, CE, PSE, GS, RoHS

Cable Requirements

CAT 6 Network Grade, Premium, Shielded

Mechanical (H-W-D)

1T-CT-631, 1T-CT-632 30x78.5x72mm (1.2x3.1x2.83")

Weight

1T-CT-631, 1T-CT-632 90g (0.20 lbs) each

Power Requirement

External Power Supply 5 VDC@2A, Locking DC

Accessories Included

1x Power Adapter US, UK or Euro
 1x User Manual

Model Numbers

1T-CT-631 HDMI to Cat.6 Transmitter
 1T-CT-632 Cat.6 to HDMI Receiver



Key Features of the 1T-CT-631/632 System

- HDMI Version 1.3a Compliant
- DVI-D 1.1, HDCP 1.1 Compliant
- Supports xvYCC Protocols
- HDTV Resolutions up to 1080p @ 60Hz
- Up to 125' Distance for 1080p
- Embedded HDMI Lossless Digital Audio
- Zero signal loss via Cat.6 cable
- Single Cat.6 cable required
- Locking power supply for security
- Ultra Compact Size

Panel Drawings

