

**1T-CT-520 DVI-D+Audio CAT.5 Extender** provides a means for the transmission of DVI-D signals at resolutions up to 1920x1200 and 1080p, plus either S/PDIF or analog stereo audio, over Cat.5/5E or Cat.6 cable at great distances. The 1T-CT-521 Transmitter, used in conjunction with the 1T-CT-524 Receiver, can achieve distances up to 100 meters (325 feet), while use of the 1T-CT-528 Receiver can increase distances up to 250 meters (800 feet). Achieving such long distances with a DVI-D signal at 1080p requires use of a unique analog/digital hybrid transmission system. For normal operation, one Cat.5/5E or Cat.6 cable is required with the length dependent on the receiver being used.

Both Receivers provide Gain and Equalization adjustments and the 1T-CT-528 Receiver provides additional signal processing via two user selectable DIP switches which further equalize the DVI-D Video and the audio signals. The 1T-CT-521 Transmitter provides EDID capability as a standard feature. The system is fully compatible with all DVI 1.0 signals and seamlessly integrates the selected audio signal into the signal path. The unique TV One-task locking power connectors are used to enhance overall system security.



### Key Features of the 1T-520 Series

- DVI-D Version 1.0 Compliant
- Resolutions to 1920x1200, 1080p @ 60Hz
- Maximum Distance depends upon Receiver  
1T-CT-524 up to 100 meters (325 feet)  
1T-CT-528 up to 250 meters (800 feet)
- S/PDIF or Analog Audio Transmission
- Gain and EQ Adjustments
- 1T-CT-521 Transmitter provides EDID Feature
- Locking power supply for security

### Specifications

<b>Video I/O</b>	
1T-CT-521 Tx - DVI-D In	1x via DVI-I Connector
1T-CT-524 Rx - DVI-D Out	1x via DVI-I Connector
1T-CT-528 Rx - DVI-D Out	1x via DVI-I Connector
<b>Audio I/O</b>	
S/PDIF – All Units	1x Coax
Analog Stereo – All Units	1x 3.5mm Stereo Audio
<b>UTP Outputs I/O</b>	
1T-CT-521 Tx – UTP Out	1x via RJ-45
1T-CT-524 Rx – UTP In	1x via RJ-45
1T-CT-528 Rx – UTP In	1x via RJ-45
<b>Video Performance</b>	
Maximum Resolution	Up to 1920x1200, 1080p/60
Video Bandwidth	1.65Gbps
<b>Adjustments</b>	
1T-CT-524/528	Equalization and Gain
<b>Maximum Range</b>	
1T-CT-524	100 meters (325 ft)
1T-CT-528	250 meters (800 ft)
<b>Environmental</b>	
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

<b>Warranty</b>	
Limited Warranty	1 Year Parts and Labor
<b>Regulatory Approvals</b>	
Encoder/Decoder Unit	FCC, CE, RoHS
Power Supply	UL, CUL, CE, PSE, GS, RoHS
<b>Cable Requirements</b>	
CAT.5/5E or CAT 6	Network Grade, Premium
<b>Mechanical (H-W-D)</b>	
All Models	30x123x125mm(1.18x4.84x4.92)
<b>Weight</b>	
All Models	700g (1.54 lbs)
<b>Power Requirement</b>	
External Power Supply	5 VDC@2A, Locking DC
<b>Accessories Included</b>	
1x Power Adapter	US, UK or Euro
1x User Manual	
<b>Model Numbers</b>	
1T-CT-521	Transmitter
1T-CT-524	Receiver – Up to 100m (325 ft)
1T-CT-528	Receiver – Up to 250m (800 ft)

# CAT.5 DVI-D Extenders

Models 1T-CT-520 Series

## Panel Drawings

