

**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            | 3 Years 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(1.18x4.84x"4.92)  |
| <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) |

## Panel Drawings

