

1T-CT-570 System

DVI Fiber Optic Extender



Key Features 1T-CT-570 System

- Transmit PC & Video content via Fiber Optic Cable
- PC Resolutions to WUXGA (1920x1200@16:10)
- HDTV Resolutions to 1080p (1920x1080@16:9)
- Transmission Ranges to 500 Meters (1,640 Feet)
- Small Footprint and light weight

1T-CT-570 Series DVI Fiber Optic Extender is a high performance system used to transmit PC and HDTV video at resolutions up to WUXGA and 1080p respectively over distances up to 500 meters (1,640 feet.) Utilizing very small footprints, the 1T-CT-571 Transmitter connects directly to a PC's DVI-D connector. The 1T-CT-572 Receiver connects directly to the display device.

Four Fiber Optic cables provide a RF immune, virtually lossless method for transporting the video signal to a remote location. No adjustments are required and set up consists of simply making certain that the PC output resolution matches the display device capabilities plus insuring that the cables are securely and correctly connected.

The Laser system used is a class 1 device for each of the 4 paths and it complies with the EN-60825-1 specifications.

1T-CT-690 System

Wireless HDMI Extender



Key Features 1T-CT-690 System

- HDTV Resolutions to 1080p, 24fps/30fps
- 1080p distribution to 20 meters (65')
- 24 bit RGB, 4:4:4 Video Architecture
- RGB Inputs of VGA & SVGA (60/72), XGA (60/70)
- Supports HDMI v1.2 Lossless Digital Audio
- Compliant with HDMI v1.2, HDCP 1.1
- Supports HDTV I/O up to 1080P
- 256 Bit Video Encryption
- Locking +5VDC Connectors

1T-CT-690 System Wireless HDMI Extender system consist of the 1T-CT-691 Transmitter and the 1T-CT-692 Receiver which constitutes a system used to transmit V1.2 HDMI 1080p signals plus embedded, lossless audio. RGB resolutions of VGA and SVGA @ 60/72Hz and XGA @ 60/70Hz are supported as well as all standard HDTV resolutions. In addition, color space capabilities of RGB 24 Bit, 4:4:4 are provided. Open field wireless transmission distances of 20 meters (65 feet) are available and the 1080p HDTV signals are not compressed.

Link latency of less than 1ms is provided and the data rate is 1.5Gbps. Two transmission modes, Unicast and Broadcast are provided and in the Unicast mode, a 256 bit AEC based encryption algorithm is provided to ensure privacy and to comply with HDCP requirements. EDID and CEC capabilities are also available in the Unicast mode and an Infrared remote control is standard.

Finally, both the Transmitter and Receiver units feature the unique TV One-task locking power connectors to enhance overall system mechanical security.

1T-CT-570 System Specifications

Video Input

1T-CT-571 Tx 1x DVI via DVI-D

Video Outputs

1T-CT-572 Rx 1x DVI via DVI-D

Fiber Optic I/O

1T-CT-571, 572 1x 4-LC Fiber Optic Connectors

Video Performance

Maximum PC Resolution WUXGA (1920x1200)
Maximum Video Resolution 1080p (1920x1080p)
Video Bandwidth 1.65 Gpbs per channel

Fiber Optic System

Class 1 Laser EN 60825-1
Optical Property 4 Ch., 850nm@-6dBm

Maximum Range

1T-CT-571, 572 System 500 Meters (1,640 feet)

Mechanical (H-W-D)

1T-CT-571, 572 19.6x40x90mm (0.77"x1.6"x3.5")

Weight

1T-CT-571, 572 65g (0.14 Lbs) Ea.

Power Requirement

External Supply +5 VDC@1A

Environmental

Operating Temperature -10° to +50° C (+14° to +122° F)
Operating Humidity 10% to 90%, Non-condensing
Storage Temperature -20° to +75° C (-4° to +167° F)
Storage Humidity 10% to 90%, Non-condensing

Warranty

Limited Warranty 2 Years Parts and Labor

Regulatory Approvals

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

Model Numbers

1T-CT-571 DVI-D Fiber Optic Transmitter
1T-CT-572 DVI-D Fiber Optic Receiver

Accessories Included

2x Power Adapter US, UK or Euro
1x User Manual 1T-CT-570 DVI Extender Series

1T-CT-690 System Specifications

Video I/O

1T-CT-691 Tx-HDMI In 3x via HDMI Connector
1T-CT-692 Rx-HDMI Out 1x via HDMI Connector

Supported Protocols

Industry Standards HDMI V1.2, HDCP 1.1

Video Performance

Max Res (HDTV) 1080p/24fps/30fps
Other Supported SDTV/HDTV 480i/p, 576i/p, 720p, 1080i
RGB Resolutions VGA, SVGA @ 60/72Hz, XGA @ 60/70Hz
Color Space RGB 24 Bit, 4:4:4, YUV4:4:4, YUV 4:2:2
Video Data Rate 1.5Gbps
Link Latency Less than 1 ms
Signal Encryption 256 Bit Algorithm (Unicast Mode)

Audio Supported

Embedded, Digital All HDMI V1.2 Embedded

RF Band

5 GHz Licensed, MIMO

Maximum Range

1T-CT-691/692 System 1080p/24fps/30fps: 20m (65')

Special Features

EDID and CEC EDID and CEC in Unicast Mode

Control Modes

Manual and Remote Front Panel or Remote Control

Remote Control

Both 1T-CT-691 & 692 1x Infrared Remote Control

Environmental

Operating Temperature 0° to +40° C (+32° to +104° 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 2 Years Parts and Labor

Regulatory Approvals

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

Mechanical (H-W-D)

1T-CT-691Tx, 1T-CT-692 Rx 33.5x162.5x164.5mm (1.3x6.4x6.48")

Weight

1T-CT-691Tx 348g (0.77 lbs)
1T-CT-692 Rx 316g (0.70 lbs)

Power Requirement

External Power Supply 2x 5VDC@2.6A, Locking DC

Accessories Included

2x Power Adapter US, UK or Euro
1x Infrared Remote Control
1x User Manual

Model Numbers

1T-CT-691 HDMI Over Wireless Transmitter
1T-CT-692 HDMI Over Wireless Receiver
1T-CT-690 System Transmitter/Receiver System

