1T-CT-551/1T-CT-552
DVI + Audio over Cat.6 with LAN/IR/RS232

Key Features

- DVI-D plus analog audio transmission
- HDMI 1.4a, HDCP 1.1 & DVI 1.0
- Uncompressed signal distribution to 100m/325ft
- Uses HDBaseT performance enhancing technology
- Supports Embedded HDMI Lossless Digital Audio
- Full DVI-D resolution support up to WUXGA
- Full HD support up to 1080p@60Hz/36bit & 3D
- HDMI UHD support (4k@30Hz)
- Uses a single Cat.5e/6/6a/7 Ethernet cable
- Bi-directional infrared remote support
- Bi-directional RS-232 and Ethernet support
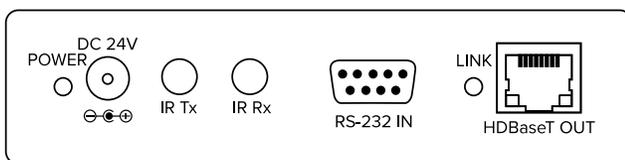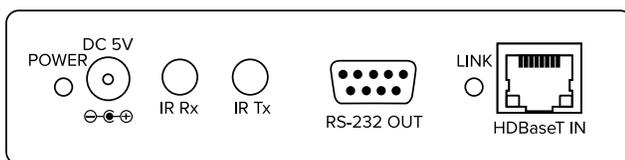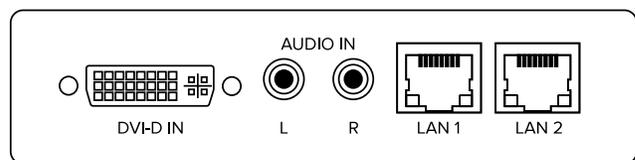- Receiver supports both PoH and local power.

Overview

1T-CT-551/1T-CT-552 DVI + Audio over Single Cat.6 system consists of a 1T-CT-551 Transmitter coupled with a 1T-CT-552 Receiver (each purchased separately) which employs HDBaseT 5Play™ technology to allow the transmission of uncompressed WUXGA (1920x1200) computer signals over a single Cat.5e or Cat.6 cable. Transmission of DVI-D video plus analog stereo audio is supported and the system will also allow HDMI signal transmission with the the use of appropriate DVI to HDMI cable adapters.

The 1T-CT-551/1T-CT-552 system can achieve signal distribution distances of up to 100 meters (325 feet) for uncompressed WUGXA signals without signal degradation. Control signals can be transmitted (Ethernet, Infrared or RS-232) and PoH (Power over HDBaseT) technology is employed to allow powering of the Receiver from a PoH supporting Transmitter (1T-CT-551, 1T-CT-653, MX-8488), negating the need for a separate power supply for that unit.
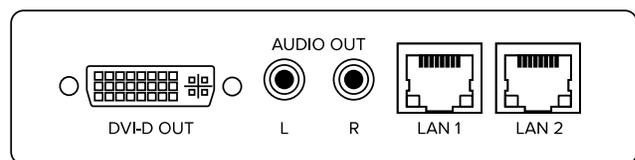
Panel Drawings

1T-CT-551

1T-CT-552

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Specifications

Video I/O
1T-CT-551 Tx-DVI Input	1x via DVI Connector
1T-CT-552 Rx-DVI Output	1x via DVI Connector

Cat.5e/Cat.6 Cable I/O
1T-CT-551 Tx - Cat.6	1x via RJ45 Connector
1T-CT-552 Rx - Cat.6	1x via RJ45 Connector

Additional I/O
Connectors (each unit)	2x RCA (Audio), 2x RJ45 (Ethernet), 2x 3.5mm mini-jack (Infrared), 1x DB-9 (RS-232)

Signals & Protocols
Industry Standards	DVI 1.0, HDMI v1.4a (3D, 4k), HDCP 1.1, Infrared, RS-232, Ethernet

Video Performance
Maximum Resolution	HD up to 1080p@60Hz/36bit, UHD to 4k@30Hz, PC to WUXGA

Audio Support
Analog Audio	Stereo (L/R)
HDMI Embedded Audio	LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus & DTS-HD Master

HDBaseT Support
Maximum Bandwidth	10.2Gbps/300MHz

Maximum Range
up to 1920x1200@60Hz	100m (325 ft.) using Cat.5e/6
up to 3840×2160@30Hz	70m (230 ft.) using Cat.5e/6
	100m (325 ft.) using Cat.6a/7

Cable Requirements (T/R)
Ethernet Cable, UTP or STP	Cat.5e, Cat.6, Cat.6a or Cat.7 cable

Environmental
Operating Temperature	0° to +40° C (+32° to +104° F)
Operating Humidity	20% to 90%, Non-condensing
Storage Temperature	-20° to +60° C (-4° to +140° F)
Storage Humidity	20% to 90%, Non-condensing

Warranty
Limited Warranty	1 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-551 Transmitter	30x123x125mm (1.18x4.84x4.92")
1T-CT-552 Receiver	30x123x125mm (1.18x4.84x4.92")

Weight
1T-CT-551 Transmitter	384g (0.85 lbs.)
1T-CT-552 Receiver	392g (0.86 lbs.)

Power Requirement
1T-CT-551 Transmitter	24VDC Locking Connector
1T-CT-552 Receiver	5VDC Locking Connector

Accessories Included
1x Power Adapter	US, UK and Euro
1x User Manual	
1x IR Emitter or Receiver	

Model Numbers
1T-CT-551	HDMI - Cat.6 Transmitter
1T-CT-552	HDMI - Cat.6 Receiver