

1T-CT-631/632/633

CAT.6 HDMI Extender System



Key Features 1T-CT-631/632/633

- HDMI Version 1.3a Compliant
- DVI 1.0 Compliant
- Supports xvYCC Protocols
- HDTV Resolutions up to 1080p @ 60Hz
- Up to 125' Distance for 1080p
- Distances can be Doubled using Repeater
- 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



1T-CT-631, 1T-CT-632 and **1T-CT-633** 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 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. This distance can be doubled with the use of the 1T-CT-633 Repeater. Multiple Repeaters may be used for even greater distances. The Transmitter and Receiver feature the unique TV One-task locking power connectors to enhance overall system mechanical security.

1T-CT-637

HDMI to 8-Output CAT.6 Transmitter



Key Features 1T-CT-637

- HDMI Version 1.3a Compliant
- DVI-D 1.1, HDCP 1.1 Compliant
- HDTV Resolutions up to 1080p @ 60Hz
- Up to 125' Distance for 1080p
- Embedded HDMI Lossless Digital Audio
- Zero signal loss via Cat.6 cable
- Supports up to 8 Cat.6 Cables
- Locking power supply for security



1T-CT-637 HDMI to 8-Output Cat.6 Transmitter is used to send HDMI or DVI-D signals to up to 8 remote display devices using Cat.6 cables. The HDMI to Multiple CAT.6 Transmitter system consists of the 1T-CT-637, an 8-output transmitter device which provides a method of transmitting deep color (12 bits) v1.3 HDMI or DVI-D signals at resolutions up to 1920x1200 and 1080p, plus embedded, lossless audio, over one Cat.6 cable per output. The 1T-CT-637 can achieve signal distribution distances of up to 38 meters (125 feet) for 1080p signals, 55 meters (180 feet) for 720p/1080i signals and 65 meters (213 feet) for 480p signals. The transmitter also features the unique TV One-task locking power connectors to enhance overall system mechanical security.

1T-CT-631/632/633 Specifications

Video I/O

1T-CT-631 Tx-HDMI In	1x via HDMI Connector
1T-CT-632 Rx-HDMI Out	1x via HDMI Connector
1T-CT-633 Repeater	1x via RJ-45 or HDMI Conn.

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)
1T-CT-633 Repeater	1x via RJ-45 (Video & DDC)

Cat.6 Structure

Video Connector	HDMI Video/Audio Signal
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Supported Standards

Industry Standards	HDMI 1.3, HDCP 1.1, DVI 1.0
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Supported Protocols

Industry Standards	xvYCC
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Video Performance

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

Maximum Range

1T-CT-631/632 System	1080p: 125' (38m)
(Doubled when using the	720p/1080i: 165' (50m)
1T-CT-633 Repeater)	480p: 195' (60m)

Cable Requirements

CAT 6 (Premium)	Network Grade, Shielded
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Warranty

Limited Warranty	3 Years Parts and Labor
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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

Regulatory Approvals

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

Mechanical (H-W-D)

1T-CT-631, 1T-CT-632	30x78.5x72mm (1.2x3.1x2.83")
1T-CT-633	30x102x78.5mm (1.2x4x3.1")

Weight

1T-CT-631, 1T-CT-632	90g (0.20 lbs)
1T-CT-633	182g (0.40 lbs)

Power Requirement

Ext. Power Supplies	5 VDC@2A, Locking DC
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Accessories Included

1x AC Adapter (Per Unit)	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
1T-CT-633	Cat.6 HDMI Repeater

1T-CT-637 Specifications

Video Input

1T-CT-637 Tx-HDMI In	1x via HDMI Connector
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Cat.6 Output

1T-CT-637 Tx – Cat.6 Out	8x via RJ-45 (Video & DDC)
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Supported Standards

Industry Standards	HDMI 1.3, HDCP 1.1, DVI 1.0
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Video Performance

Maximum Resolution	Up to 1920x1200, 1080p/60Hz
TDMS Clock Frequency	225Mbps

Maximum Range

1T-CT-637	1080p: 125' (38m)
(using 1T-CT-632 Receivers)	720p/1080i: 180' (55m)
	480p: 213' (65m)

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	3 Years Parts and Labor
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Regulatory Approvals

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

Cable Requirements

CAT.6	Network Grade, Premium, Shielded
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Mechanical (H-W-D)

1T-CT-637	25x240x103mm (1x9.45x4")
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Weight

1T-CT-637	225g (0.495 lbs)
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Power Requirement

External Power Supply	5 VDC@6A, Locking DC
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Accessories Included

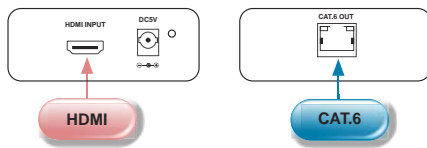
1x Power Adapter	US, UK or Euro
1x User Manual	

Model Numbers

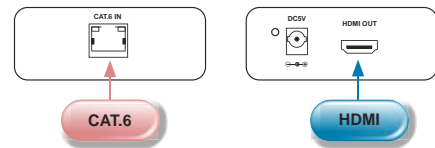
1T-CT-637	HDMI In, Multiple Cat.6 Outputs Transmitter
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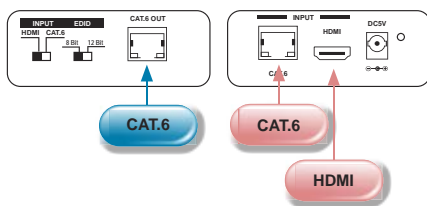
1T-CT-631



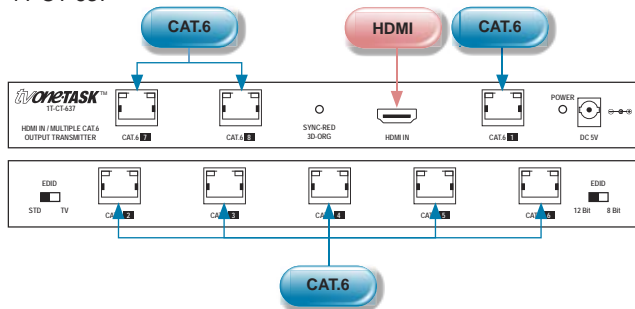
1T-CT-632



1T-CT-633



1T-CT-637



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