

1T-CT-690 Series 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. An IR Blaster accessory is included and permits control of devices connected to the 1T-CT-691 Transmitter from the location of the 1T-CT-692 Receiver.

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



Key Features of the 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
- IR Blaster for Remote Control of 3rd Party Devices
- Locking +5VDC Connectors

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
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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
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RF Band

5 GHz	Licensed, MIMO
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Maximum Range

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

EDID and CEC	EDID and CEC in Unicast Mode
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Control Modes

Manual and Remote	Front Panel or Remote Control
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Remote Control

Both 1T-CT-691 & 692	Via CR-47 IR Remote Unit
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IR Blaster Accessory

IR Format	NEC Code - 36-38KHz Range
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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
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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")
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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
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Accessories Included

2x Power Adapter	US, UK or Euro
1x IR Remote Control	CR-47

1x IR Blaster Assembly	
1x User Manual	

Model Numbers

1T-CT-691	HDMI Wireless Transmitter
1T-CT-692	HDMI Wireless Receiver

Panel Drawings

