

1T-CT-420 Series of CAT.5 Extender products is an economy system used to transmit RGBHV Video at resolutions up to 1280x1024 over Cat.5/5E or Cat.6 cable at distances of 180 meters (590 feet.)

Utilizing very small footprints, the two components of the system can be placed in any convenient and inconspicuous place without needing a dedicated equipment rack even a table surface. The 1T-CT-421 Transmitter is a unity gain device requiring no adjustments for encoding of the signal and the 1T-CT-422 Receiver has Gain and Equalization control which allow the user to reconstitute the video signal so that there is no loss of the high frequency portions of the signal. As a result, text and picture elements with sharp edges are not degraded in any way. All products use the unique TV One-task locking power connectors to enhance overall system security.



Key Features of the 1T-420 Series

- Transmit PC Video content via Cat.5/5E or 6 Cable
- Resolutions to 1280x1024 @ 60Hz
- Range up to 180 meters (590')
- Gain and Equalization adjustments on the Receiver
- Small Footprint and light weight
- Exclusive TV One Captive DC Power Plug

Specifications

Video Inputs	
1T-CT-421	1x RGBHV via HD-15
Video Outputs	
1T-CT-422	1x RGBHV via HD-15
UTP I/O	
1T-CT-421, 422	1x Ea. via RJ-45 Connector
Video Performance	
Maximum Resolutions	Up to 1280x1024 / 60Hz
Video Bandwidth	350MHz
Input Signal Levels	Video 0.75mV, Sync 5V TTL
Horizontal Freq Range	15-70KHz
Vertical Freq Range	30-170Hz
Signal Adjustments	
1T-CT-422 Receiver	Equalization and Gain
Maximum Range	
1T-CT-421, 422 Pair	180 Meters (590')
Mechanical (H-W-D)	
1T-CT-421, 422	25.5x44.3x72.5mm (1"x1.75"x2.85")
Weight	
1T-CT-421, 422	90g (0.2 lbs) Ea.
Power Requirement	
Each Unit	Ext. PS +5 VDC@2A
Environmental	
Operating Temperature	0° to +70° C (+32° to +158° F)
Operating Humidity	10% to 90%, Non-condensing
Storage Temperature	-40° to +70° C (-40° to +158° F)
Storage Humidity	10% to 90%, Non-condensing
Warranty	
Limited Warranty	1 Year Parts and Labor
Regulatory Approvals	
Encoder/Decoder Unit	FCC, CE, RoHS
Power Supply	UL, CUL, CE, PSE, GS, RoHS
Cable Requirements	
CAT.5/5E or CAT 6	Network Grade, Premium Cables
Model Numbers	
1T-CT-421	Transmitter for RGBHV
1T-CT-422	Receiver for RGBHV
Accessories Included	
2x Power Adapter	US, UK or Euro
1x User Manual	CAT.5 Extender Series

