CAT 5 VGA Extenders

1T-VGA-CAT, 1T-VGA-CAT-XL, 1T-VGAx-CAT-TXL, 1T-VGA-CAT-RXL

1T-VGA-CAT consists of a transmitter and receiver unit capable of encoding and decoding of up to 1280x1024 VGA resolution image into a signal suitable for remote viewing using a single, dedicated CAT 5 grade network cable. Transmission distances of 590 feet (180m) are possible with this device. One transmit/receive pair will provide an image to a single remotely located VGA monitor or projector.

1T-VGA-CAT-XL has the same features, resolution, encode and decode capabilities of the 1T-VGA-CAT but doubles the range to 1000 feet (300m). VGA loop-thru is provided on the 1T-VGA-CAT-XL Transmitter.

1T-VGA4-CAT-TXL and 1T-VGA8-CAT-TXL encode a VGA signal of up to 1280x1024 resolution and feed 4 or 8 CAT 5 cables respectively over distances of up to 1000 feet (300m). VGA loop-thru is provided with these units.

1T-VGA-CAT-RXL decodes signals received via CAT 5 cables from the 1T-VGA4-CAT-TXL or 1T-VGA8-CAT-TXL transmitter. A dedicated CAT 5 cable plus a dedicated 1T-VGA-CAT-RXL receive unit is required for each remotely located VGA display device. Equalization and gain controls are provided for each receiver.

1T-VGA-CAT Transmitter & Receiver

1T-VGA4-CAT-TXL

1T-VGA8-CAT-TXL

Rear: 1T-VGA4, 8-CAT-TXL

1T-VGA-CAT-RXL

Key Features of the CAT 5 VGA Extenders

- Remotely view PC displays via CAT 5 Cable
- Resolutions to 1280x1024
- Ranges up to 1000 Feet
- Up to 8 monitors fed from single transmitter
- Gain and equalization adjustments at each receiver

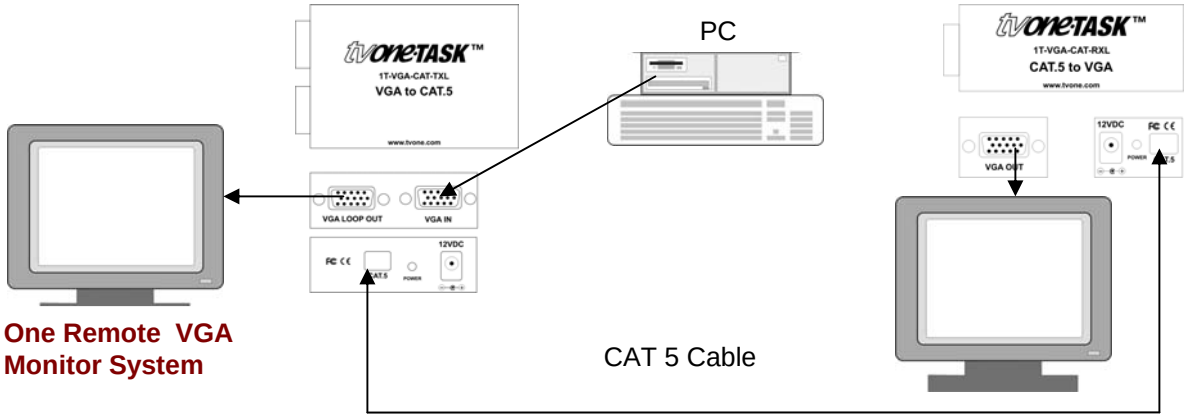
Specifications

Video Inputs	
1T-VGA-CAT (Transmitter)	1xHD-15 VGA Connector
1T-VGA-CAT-XL (Transmitter)	2xHD-15 (loop thru Connectors)
1T-VGA4-CAT-TXL	2xHD-15 (loop thru Connectors)
1T-VGA8-CAT-TXL	2xHD-15 (loop thru Connectors)
Video Outputs	
1T-VGA-CAT (Receiver)	1xHD-15 VGA Connector
1T-VGA-CAT-XL (Receiver)	1xHD-15 VGA Connector
1T-VGA-CAT-RXL	1xHD-15 VGA Connector
CAT 5 Connectors	
1T-VGA-CAT	2xRJ-45 (1Transmit + 1Receive)
1T-VGA-CAT-XL	2xRJ-45 (1Transmit + 1Receive)
1T-VGA4-CAT-TXL	4xRJ-45 (4 Transmit)
1T-VGA8-CAT-TXL	8xRJ-45 (8Transmit)
1T-VGA-CAT-RXL	1xRJ-45 (1 Receive)
Resolution	
All units	Up to 1280x1024
Signal Adjustments	
Equalization and Gain	All Receivers
Range	
1T-VGA-CAT	590 Ft (180m)
1T-VGA-CAT-XL	1000 Ft (300m)
1T-VGA4-CAT-TXL	1000 Ft (300m)
1T-VGA8-CAT-TXL	1000 Ft (300m)
1T-VGA-CAT-RXL	1000 Ft (300m)
Cable Requirements	
CAT 5/5E or CAT 6	Network Grade, Premium Cables
Enclosure Type	
Metal w/ scuff resistant feet	All Products

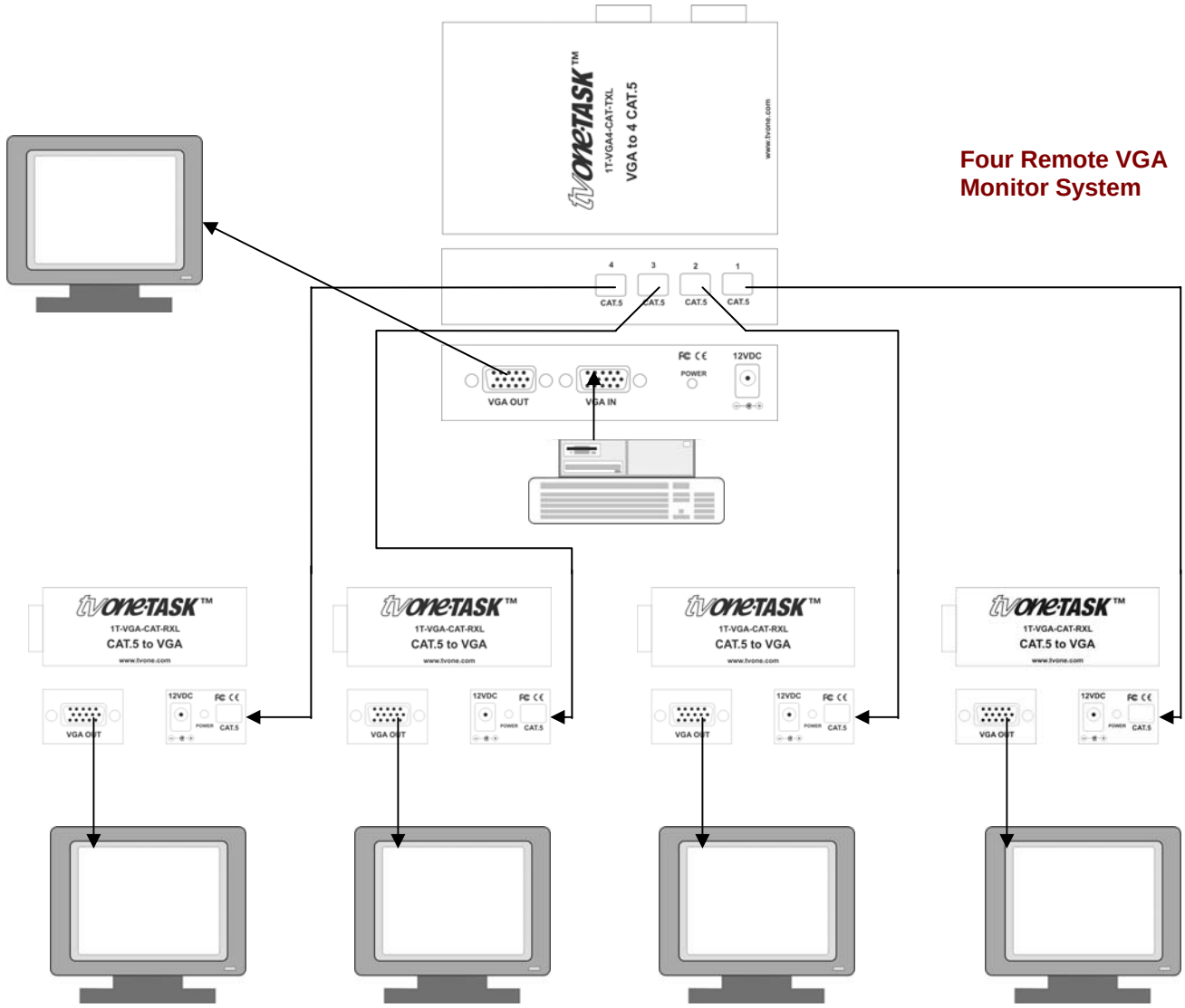
Mechanical	
Size (H-W-D)	
1T-VGA-CAT & XL (R&T)	0.86”x1.3”x3.6” (22x34x92mm)
1T-VGA4-CAT-TXL	1.16”x5.1”x3.3” (29.5x130x83.5mm)
1T-VGA8-CAT-TXL	1.16”x7.9”x3.3” (29.5x200x83.5mm)
1T-VGA-CAT-RXL	0.86”x1.3”x3.6” (22x34x92mm)
Weight (Net)	
1T-VGA-CAT & XL (R&T)	T=0.27lbs (135g), R=0.31lbs (140g)
1T-VGA4-CAT-TXL	0.5lbs (247g)
1T-VGA8-CAT-TXL	0.76lbs (345g)
1T-VGA-CAT-RXL	0.31lbs (140g)
Warranty	
Limited Warranty	2 Years Parts and Labor
Environmental	
Operating Temperature	0° to +48° C (+32° to +120° F)
Operating Humidity	10% to 85%, Non-condensing
Storage Temperature	-10° to +70° C (+14° to +158° F)
Storage Humidity	10% to 85%, Non-condensing
Power Requirement	
External Power Supply	+12 VDC@600ma, Locking DC
Regulatory Approvals	
Encoder/Decoder Unit	FCC, CE
Power Supply	UL, CE, CSA
Accessories Included	
1x Power Adapter	(Per device), US, UK or Euro Type
1x VGA Cable	4 Ft (1.2m) HD-15 to HD-15
1x User Manual	CAT 5 VGA Extender Series
Product Item Number	
1T-VGA-CAT	CAT5 VGA Extender, Std. Range*
1T-VGA-CAT-XL	CAT5 VGA Extender, Ext’d. Range
1T-VGA4-CAT-TXL	4 output CAT5 VGA Xmit., Ext Range
1T-VGA8-CAT-TXL	8 output CAT5 VGA Xmit., Ext Range
1T-VGA-CAT-RXL	CAT5 VGA Dedicated Receiver*

***** No VGA Cable provided for this product – Cable not needed.

Sample Systems

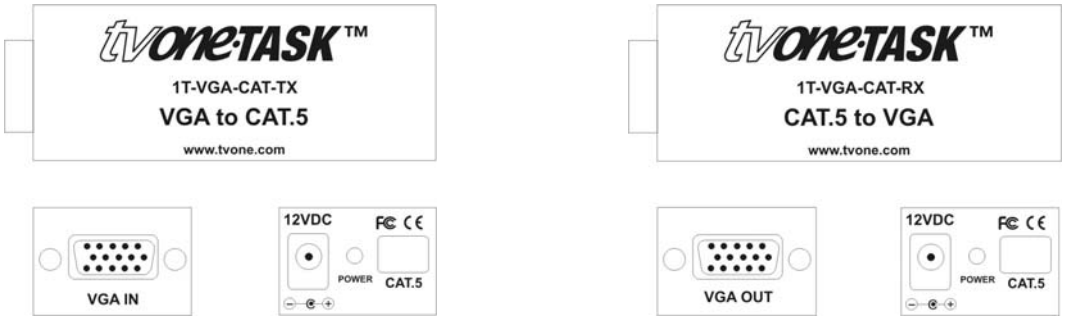


One Remote VGA Monitor System

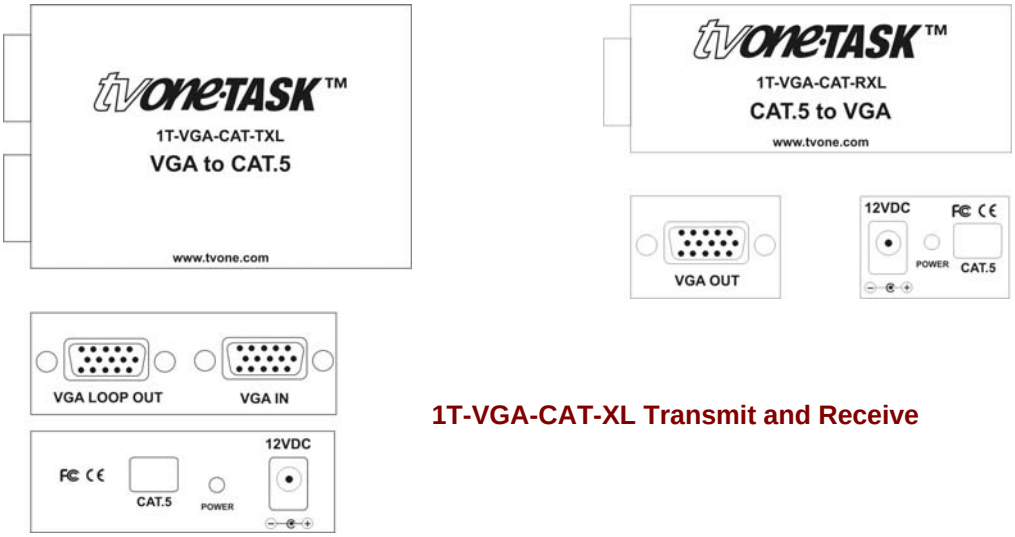


Four Remote VGA Monitor System

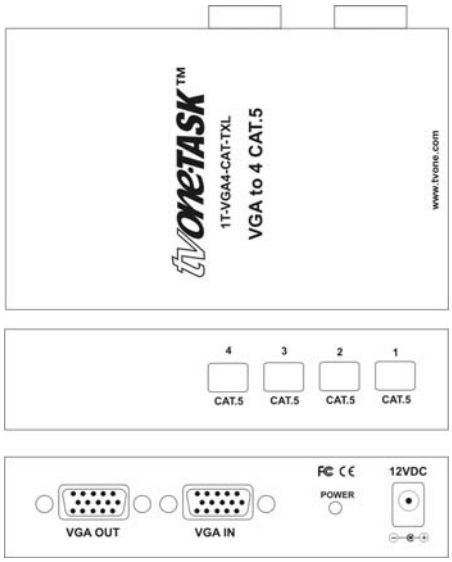
Panel Drawings



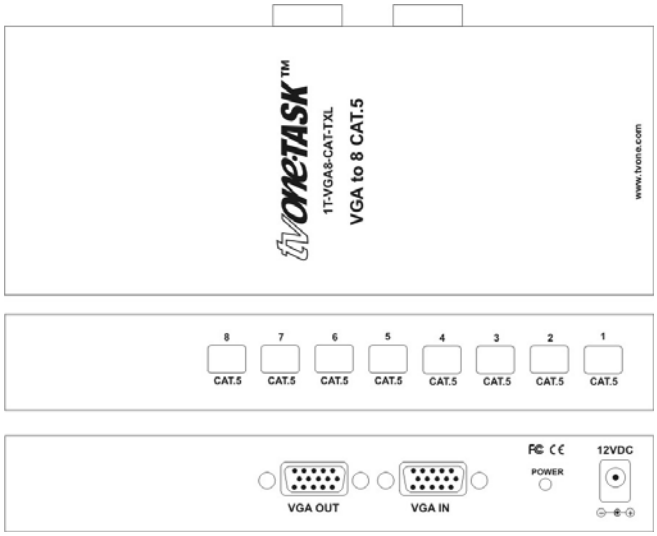
1T-VGA-CAT Transmit and Receive



1T-VGA-CAT-XL Transmit and Receive



1T-VGA4-CAT-TXL



1T-VGA8-CAT-TXL

1T-VGA-CAT-RXL