



## CAT.5 VGA Extenders

1T-VGA-CAT, 1T-VGA-CAT-XL, 1T-VGAST-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-VGAST-CAT-XL** is the same as the 1T-VGA-CAT-XL but adds the ability to include either PC audio or external microphone audio in the CAT.5 signal.

**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 Transmit & Receive



1T-VGA4-CAT-TXL

1T-VGAST-CAT-XL Transmit and Receive



1T-VGA8-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
- Audio Integration (1T-VGAST-CAT-XL)

### Specifications

#### Video Inputs

1T-VGA-CAT Transmitter	1xHD-15 VGA Connector
1T-VGA-CAT-XL Transmitter	2xHD-15 (loop thru Connectors)
1T-VGAST-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-VGAST-CAT-XL Receiver	1xHD-15 VGA Connector
1T-VGA-CAT-RXL	1xHD-15 VGA Connector

#### Audio I/O

1T-VGAST-CAT-XL T=1 Line, 1 Mic In, R=1 Line Out

#### CAT.5 Connectors

1T-VGA-CAT	2xRJ-45 (1Transmit + 1Receive)
1T-VGA-CAT-XL	2xRJ-45 (1Transmit + 1Receive)
1T-VGAST-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-VGAST-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-VGAST-CAT-XL (R&T)	1.00"x4.4"x5.1" (25x110.5x130mm)
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-VGAST-CAT-XL (R&T)	0.6 lbs (270g)
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@1A, Locking DC

##### Regulatory Approvals

Encoder/Decoder Unit FCC, CE, RoHS  
Power Supply UL, CE, CSA, RoHS

##### Accessories Included

1x Power Adapter (Per device), US, UK or Euro Type  
4 Ft (1.2m) HD-15 to HD-15  
6 Ft (1T-VGAST-CAT-XL Only)  
1x Audio Cable  
1x User Manual  
CAT.5 VGA Extender Series

##### Product Item Number

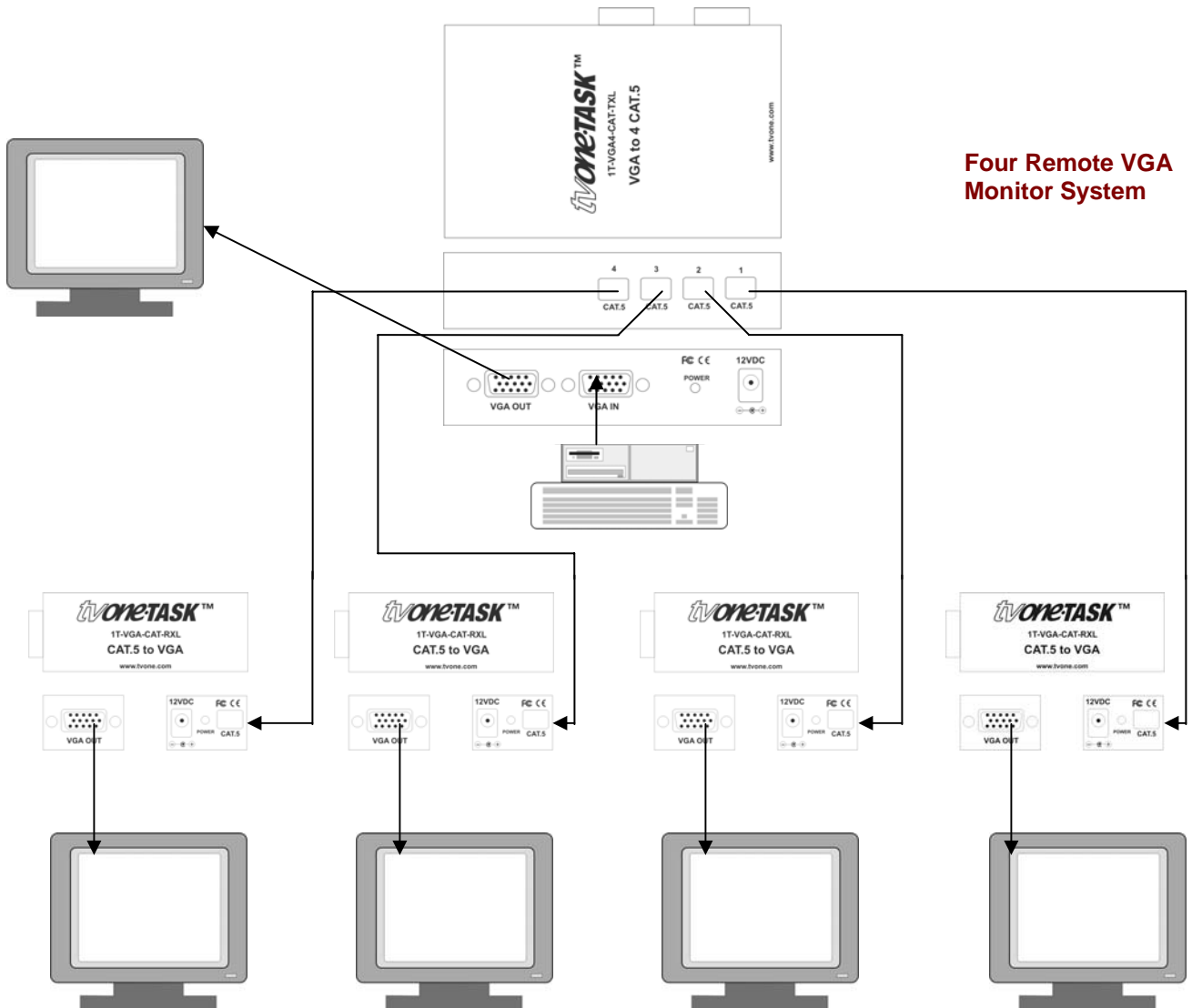
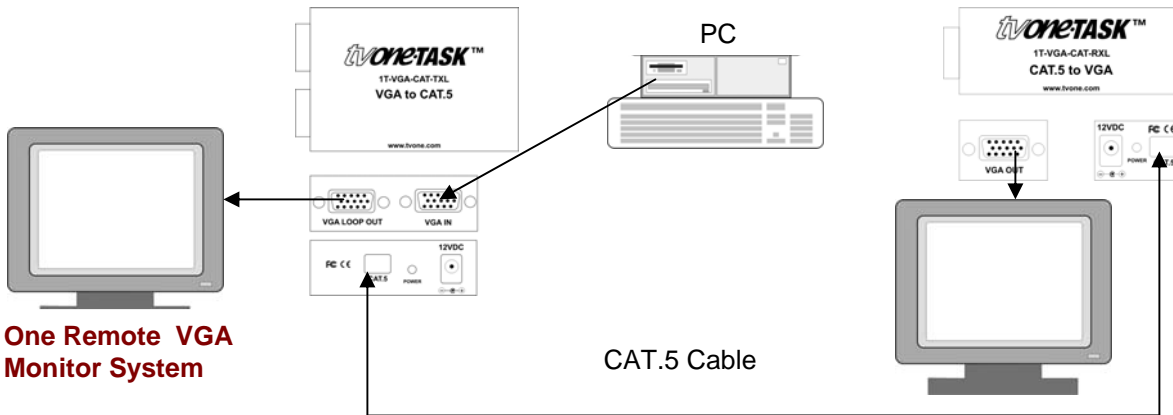
1T-VGA-CAT CAT5 VGA Extender, Std. Range  
1T-VGA-CAT-XL CAT5 VGA Extender, Ext'd. Range  
1T-VGAST-CAT-XL CAT5 VGA Extender, Ext'd. Range  
1T-VGA4-CAT-TXL 4 output CAT5 VGA Xmit., Ext Range  
1T-VGA8-CAT-TXL 8 output CAT5 VGA Xmit., Ext Range  
1T-VGA-CAT-RXL CAT5 VGA Dedicated Receiver



## CAT.5 VGA Extenders

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### Sample Systems

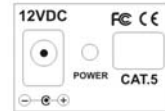
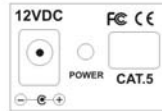




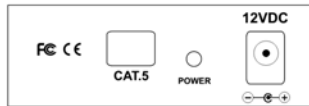
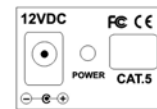
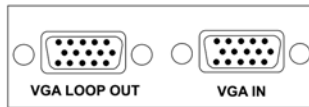
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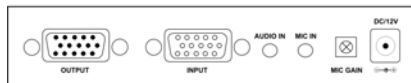
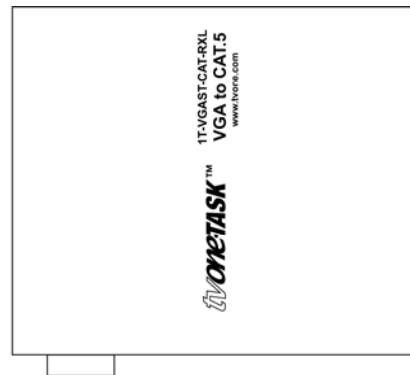
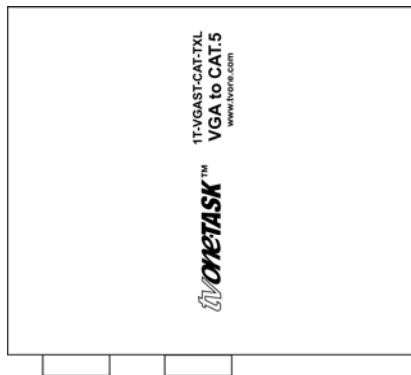
### Panel Drawings



### 1T-VGA-CAT Transmit and Receive



### 1T-VGA-CAT-XL Transmit and Receive

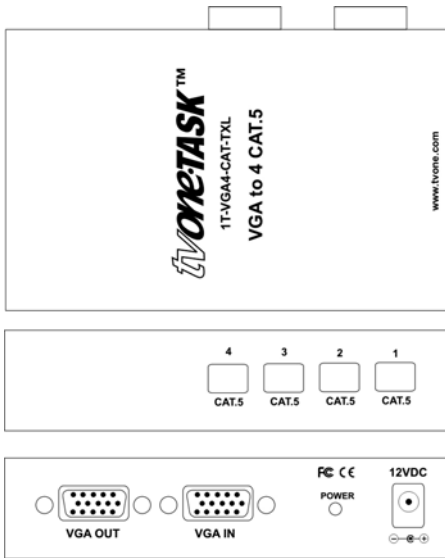


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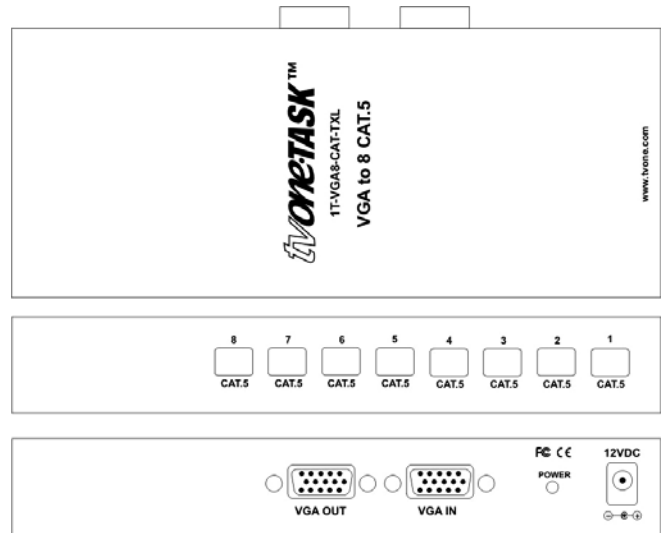


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**1T-VGA4-CAT-TXL**



**1T-VGA8-CAT-TXL**



**1T-VGA-CAT-RXL**