

## System Specifications

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**TS560x4** System includes the following:

- (4) VB37F Transmitters
- (1) TR560x4 Receiver card

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- (1) TR560x4 Receiver card

### TRANSMITTER UNIT: (Standard VB37F)

<b>Size</b>	1.3"H x 2.0"W x .95"D
<b>Power Requirements</b>	None
<b>Input-Video</b>	1 vpp composite video Monochrome or Color

### RECEIVER UNIT:

<b>Size</b>	1 card slot
<b>Power Requirements</b>	Power supplied by Card Cage
<b>Input</b>	(4) Low voltage current loop from transmitter unit
<b>Output-Video</b>	(4) 1.0 vpp composite video Monochrome or Color

## Installation

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**If you are using the TR560x4 receiver with the TT560 transmitter refer to the EX560/TT560 manual for system installation instructions.**

### Step 1)

Check the twisted pair for continuity. Do this by shorting the pair of wires at one end and use an ohm meter to check the resistance at the other end. The chart below will give you the length of your wires for a measured resistance. Use a multimeter to make sure there is no voltage on the line.

For distances greater than 3,000 feet, there are several other systems available. Contact your local Distributor or NITEK Technical Department for assistance.

WIRE GAGE	DISTANCE IN FEET						
	300	500	1,000	1,500	2,000	2,500	3,000
22	10	16	32	48	64	80	96
24	15	25	51	76	102	127	153
26	25	41	82	123	164	205	246

The TR560x4 Receiver can be used with any standard twisted pair video camera or Balun type transceiver device. Steps 2 and 3 refer to the NITEK VB37 Balun.

### Step 2)

Check the video input at the transmitter unit to make sure you have video present. Connect the video to the BNC jack of the VB37 transmitter unit. The transmitter is a passive device called a *Balun* and requires no power.

### Step 3)

Connect the twisted pair to the screw terminals and note the polarity of this connection. If the wires are reversed, when you connect the receiver the video will not be viewable on the monitor.

### Step 4)

Plug the receiver card into the NITEK card cage and connect a test monitor to the desired output BNC connector (1, 2, 3 or 4).