



*Quality video over ordinary telephone wire...®*

## Model NV-653T Video Transmitter



### Features:

- ▶ Full-motion CCTV video at distances up to 5,280ft/1 mile (1,6km) when used with active NVT receiver or hub and Cat-2 or Cat-3 wire, or 8,000ft/1.5 miles (2,4km) NTSC with Cat. 5 or better wire
- ▶ Exceptional interference rejection
- ▶ Built-in transient protection & ground lifting
- ▶ Three-position distance range switch
- ▶ Blue power LED, green active LED
- ▶ Up to 10 NV-653Ts may be rack mounted using the NV-RM8/10 Rack Panel Kit
- ▶ Limited lifetime warranty

The NVT Model NV-653T Video Transmitter is an active (amplified) device that allows the transmission of real-time monochrome or color video on up to one mile (1,6km) using Category-2 or 3 Unshielded Twisted-Pair (UTP) telephone wire, or up to 1.5 miles (2,4km) (NTSC) using Category-5 or better.

The unparalleled interference rejection and low emissions of the Model NV-653T allows long run video signals to co-exist in the same wire bundle as telephone, datacom, or low-voltage power circuits. This allows the use of shared or existing cable plant. Ground-lifting ensures no annoying “hum-bars” when ground potential differences exist. With built-in transient protection, damaging voltage spike problems are eliminated.

### Network Video Technologies

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## Technical Specifications

### Video

Frequency response	DC to 5 MHz
3-Position Adjustable Distance Switch	
Common-mode / Differential-mode rejection	
15 KHz to 5 MHz	60 dB typ
Impedance	
Coax, female BNC	75 ohms
UTP, Screw Terminal Block	100 ohms

### LED Indicators

Blue "Power-On"; Green "Active" signal present

### Wire Type

Network Wiring	One Unshielded Twisted Pair
	24 - 16 AWG (0,5-1,31mm)
Category Type	2 or better
Impedance	100 $\pm$ 20 ohms
DC Loop Resistance (24AWG)	52 ohms per 1,000 ft (18 ohms per 100 m)
Differential Capacitance	19 pF/ft max (62 pF/m max)

### Power

24 VAC / DC (transformer not included) 250 mA max  
May share 24VAC power with camera, providing supply is floating

### Environmental

Temperature	0 to +50°C
Humidity (non-condensing)	0 to 95%
Transient Immunity	
per ANSI / IEEE 587 C62.41	

### Mechanical

Dimensions, excluding connectors	3.00 x 1.54 x 1.10in (76 x 39 x 28mm)
Weight	4.0 oz (100 g)
Material	Black ABS
Mounting	Two 0.175 in (4,4mm) diameter holes 2.5in (63,5mm) apart

*Up to ten NV-653Ts can be mounted  
to an NV-RM 8/10 Rackmount Panel*

Specifications subject to change without notice.

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