



Model NV-653T Video Transmitter



Features:

- ▶ Real time CCTV video at distances up to: 1,600m when used with NV-452R, NV-652R, NV-862R, NV-1662R or NV-3262R receivers and CAT5e cable.
- ▶ Exceptional interference rejection
- ▶ Built-in surge protection & ground loop isolation
- ▶ 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
- ▶ Lifetime warranty

The NVT Model NV-653T Video Transmitter is an active (amplified) device that allows the transmission of real-time monochrome or colour video on up to one mile (1,6km) using CAT5e Unshielded Twisted-Pair (UTP) telephone cable.

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

Network Video Technologies Ltd

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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

Cable Type

Network Cabling	One Unshielded Twisted Pair
	24 - 16 AWG (0,5-1,31mm)
Cable Type	CAT5e
Impedance	100 ± 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

24VAC / 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	6,000 V 1.2µS x 50 µS per ANSI / IEEE 587 C62.41 B3 3,000 A 8µS x 20 µS when ground screw terminal is bonded to earth-ground

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*

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411-653-1-D