



Model NV-653T Video Transmitter



Features:

- Full-motion CCTV video at distances up to 1 mile (1,6km) when used with active NVT receiver or hub
- Exceptional interference rejection
- Built-in transient protection and ground lifting
- Three-position distance range switch
- Blue power LED, green active LED
- Up to ten 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.

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	60 dB typ
15 KHz to 5 MHz	
Impedance	75 ohms
Coax, female BNC	100 ohms
UTP, Screw terminal block	

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 ± 20 ohms
DC Loop Resistance	52 ohms per 1,000ft (18 ohms per 100m)
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

Ambient temperature	+32 to +122 °F (0 to +50 °C)
Humidity (non-condensing)	0 to 95%
Transient Immunity	per ANSI / IEEE 587 C62.41

MECHANICAL

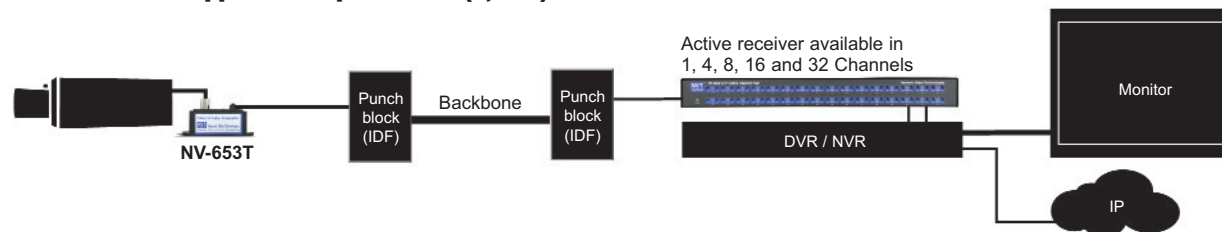
Dimensions, excluding brackets and connectors
3.00 x 1.54 x 1.10in (76 x 39 x 28mm)
Weight 4.0oz (100g)
Material Black ABS
Mounting Two 0.175 in (4,4mm) diameter holes
2.5in (63,5mm) apart

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

Specifications subject to change without notice.

Typical Application

Active to Active Application up to 1 mile (1,6km)



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