



Description

The NVT Model NV-213A Video Transceiver is a passive (non-amplified) device that allows the transmission of real-time monochrome or color video over Unshielded Twisted-Pair (UTP) telephone wire. Baseband (composite) signals of any type are supported.

The passive NV-213A is capable of delivering a fully equalized signal to the DVR when used with any Active NVT Receiver, yet is compatible with all of NVT's passive products for applications under 750ft (225m). The NV-213A Video Transceiver also incorporates transient protection.

The unparalleled interference rejection and low emissions of the NV-213A allow video signals to co-exist in the same wire bundle as telephone, datacom, or low-voltage power circuits. This allows the use of a shared or existing cable plant.

Features

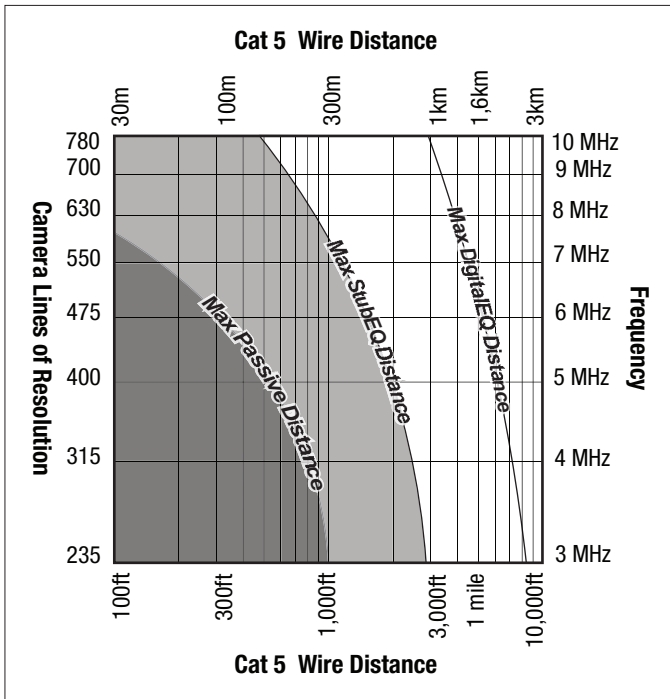
- Full-motion CCTV video at distances up to 750ft (225m) when used with any passive NVT transceiver or hub
- Up to 3,000ft (1km) with a NVT DigitalEQ™ hub or active receiver
- Up to 1,500ft (460m) with a NVT StubEQ™ hub
- No power required
- Exceptional interference rejection
- Frequency Response DC to 10 MHz
- Built-in transient protection with separate ground connection
- Supports “up-the-coax” type control signal up to 750ft (225m)
- Limited lifetime warranty



Network Video Technologies

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VIDEO DISTANCE RECOMMENDATIONS



VIDEO

Frequency response	DC to 10 MHz
Attenuation	0.5 dB typ
Common-mode / Differential-mode rejection	60 dB typ
15 KHz to 5 MHz	
Impedance	
Coax, male BNC	75 ohms
UTP, screwless terminal block	100 ohms

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)

ENVIRONMENTAL

Ambient temperature	-22 to +167 °F (-30 to +75°C)
Humidity (non-condensing)	0 to 95%
Transient immunity	per ANSI / IEEE 587 C62.41

MECHANICAL

Dimensions including connectors:	3in wide, 1.54in high, 1.10in deep (76mm, 39mm, 28mm)
Product weight	4.0oz (100g)

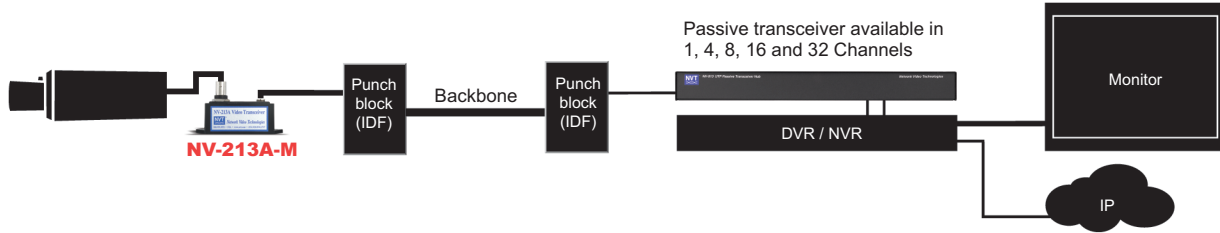
Up to ten NV-213As can be mounted to an NV-RM 8/10 Rack mount panel

REGULATORY

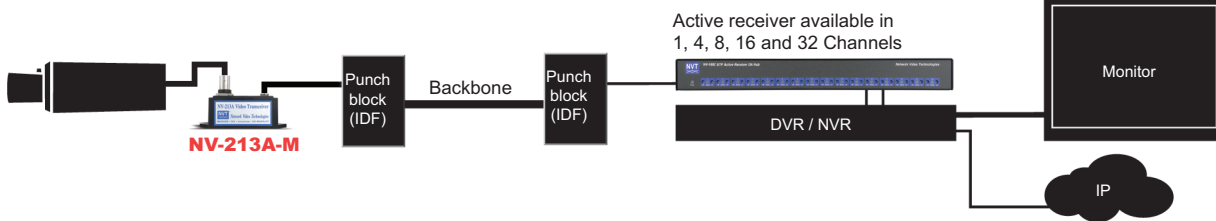


Specifications subject to change without notice.

Passive to Passive Application up to 750ft (225m)



Passive to Active Application up to 3,000ft (1km)



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