



## Model NV-213A Video Transceiver



### Features:

- Full-motion CCTV video at distances up to 750ft (225m) when used with any passive NVT transceiver or hub
- Up to 3,000 feet (1,000 m) with a DigitalEQ™ Hub or active receiver
- Up to 1,500 feet (460m) shall be supported by any NVT StubEQ™ Hub
- Up to ten NV-213As may be rack mounted using the NV-RM8/10 rack panel kit
- Mini-coax pigtail supports in-camera mounting in most dome cameras
- No power required
- Exceptional interference rejection
- Built-in transient protection with separate ground connection
- Supports “up-the-coax” type control signal up to 750ft (225m)
- Limited lifetime warranty

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.

### Network Video Technologies

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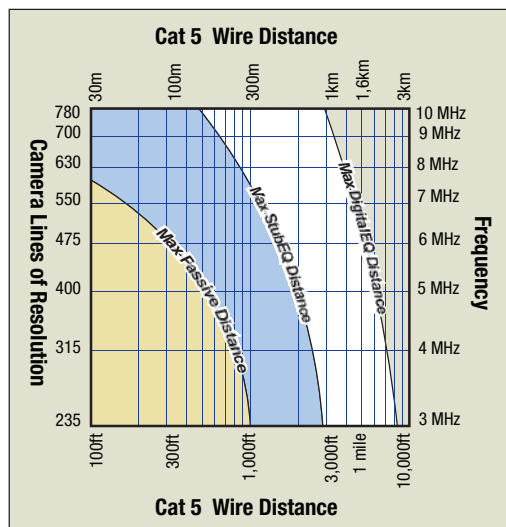


# Model NV-213A

## Video Transceiver

### Technical Specifications

#### VIDEO DISTANCE RECOMMENDATIONS



#### VIDEO

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

#### POWER

No external power required

#### ENVIRONMENTAL

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

#### 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)

#### MECHANICAL

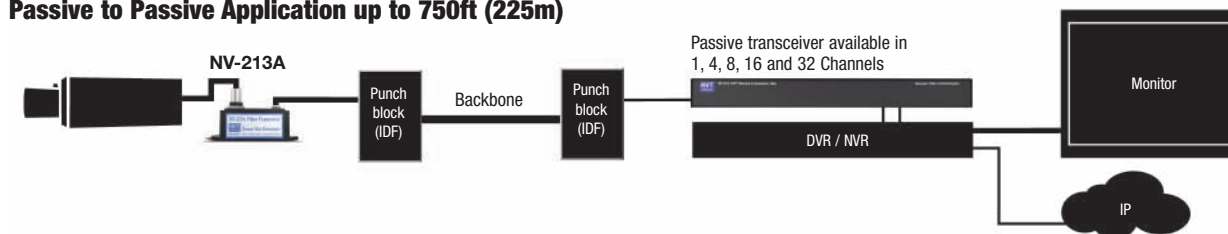
Dimensions, excluding brackets and connectors	3.00 x 1.54 x 1.10in (76 x 39 x 28mm)
Packaged weight	4.0oz (100g)
Material	Black ABS
Mounting	Two 0.175in (4.4mm) diameter holes 2.5in (63.5mm) apart
Product weight	4.0oz (100g)
Packaged weight	4.0oz (100g)

Up to ten NV-213A's can be mounted to an NV-RM 8/10 Rackmount Panel

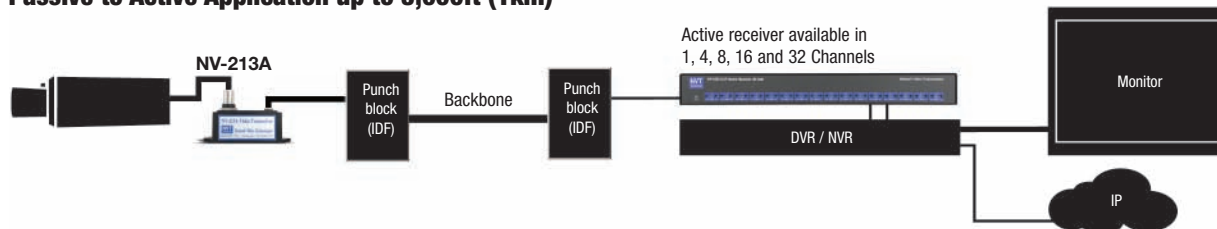
Specifications subject to change without notice.

### Typical Applications

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



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



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