



## Model NV-413A 4-Channel Video Transceiver



### Features:

- Four passive transceiver channels in one product
- Full-motion CCTV video at distances up to 750ft (225m) when used with a 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
- Supports pluggable screw terminal or RJ45 connections
- No power required
- Exceptional interference rejection
- Built-in transient protection
- Supports “up-the-coax” type control signal up to 750ft (225m)
- Compatible with qualified UTP cameras
- Two NV-413As may be rack mounted using the NV-RM8/10 Rack Panel Kit
- Limited lifetime warranty

The NVT Model NV-413A 4-channel Video Transceivers 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.

“Up-the-coax” type signal may be sent over the same wire pair. Used as a receiver, the NV-413A is fully compatible with qualified cameras that are equipped with an NVT twisted-pair output.

The unparalleled interference rejection and low emissions of the Model NV-413A 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. With built-in transient protection, damaging voltage spike problems are eliminated.

### Network Video Technologies

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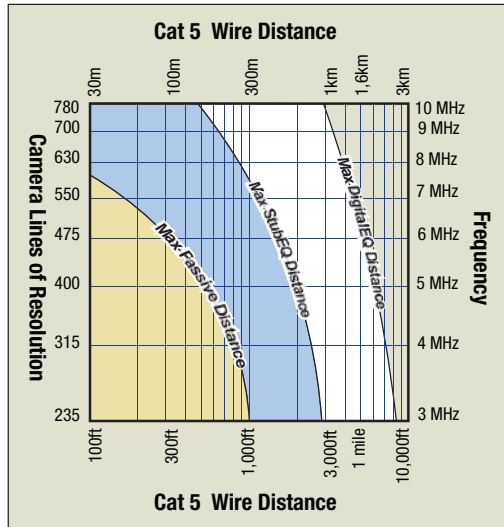


# Model NV-413A

## 4-Channel 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, female BNC	75 ohms
UTP, Screw terminal block or RJ45	100 ohms

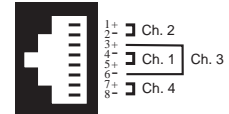
#### WIRE TYPE

Network Wiring	One Unshielded Twisted Pair (for each video signal)
	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)

#### CONNECTORS

Use either terminal or RJ45 (not both)



#### POWER

No external power required

#### ENVIRONMENTAL

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

#### MECHANICAL

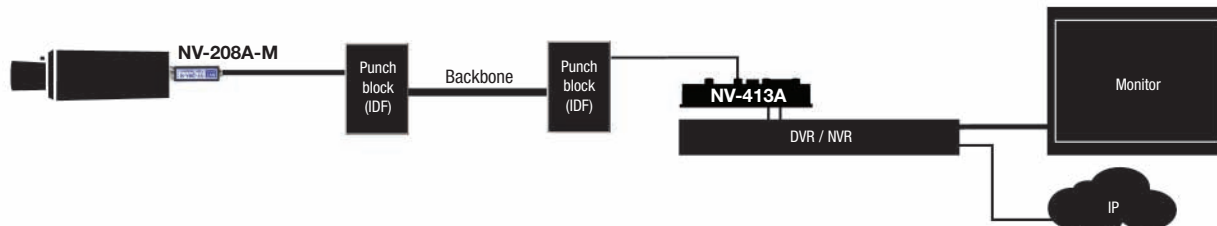
Dimensions, excluding brackets and connectors	7.3 x 2.35 x 1.65in (184 x 60 x 41mm)
Material	Black ABS
Mounting	Two 0.175 in (4.4mm) diameter holes 6.75in (171.5mm) apart
Product weight	12.0oz (340g)
Packaged weight	12.0oz (340g)

Two NV-413As can be mounted to an NV-RM 8/10 Rackmount Panel

Specifications subject to change without notice.

### Typical Application

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



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