



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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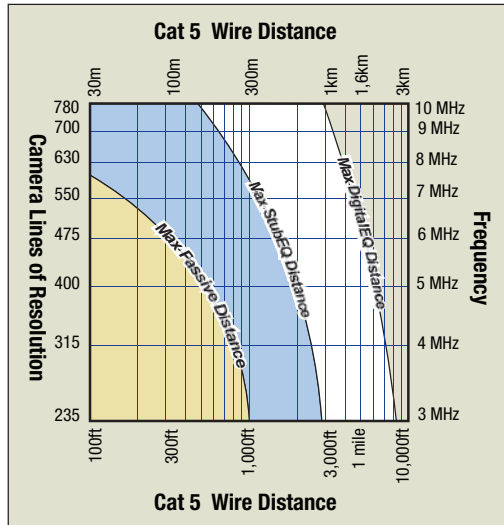


Model NV-413A

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

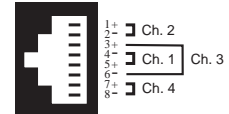
WIRE TYPE

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

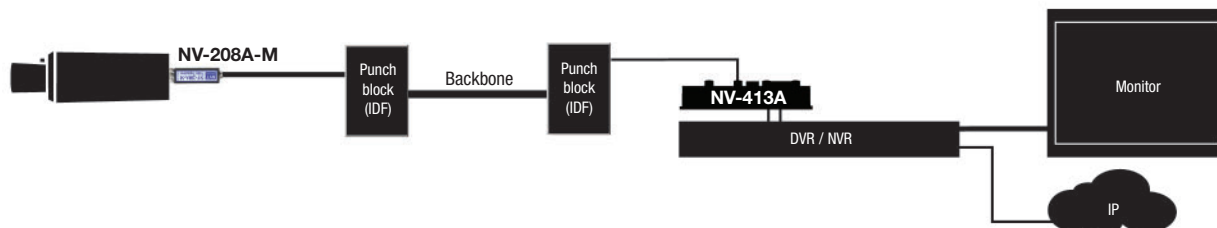
Dimensions, excluding brackets and connectors	7.3 x 2.35 x 1.65in (184 x 60 x 41mm)
Material	Black ABS
Mounting	Two 0.175 in (4,4mm) diameter holes 6.75in (171,5mm) apart
Product weight	12.0oz (340g)
Packaged weight	12.0oz (340g)

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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