



Model NV-413A 4-Channel Video Transceiver



Features:

- ▶ Four passive transceiver channels in one product
- ▶ Real time CCTV video at distances up to 225m when used with a NV-214A-M, NV-213A(-M), NV-413A, NV-813A, NV-1613A or NV-3213A
- ▶ Up to 1,000m with active receivers
- ▶ Supports "up-the-coax" type control signal up to 225m
- ▶ No power required
- ▶ Exceptional interference rejection
- ▶ Built-in surge protection
- ▶ Compatible with qualified UTP cameras
- ▶ Two NV-413As may be rack mounted using the NV-RM8/10 Rack Panel Kit
- ▶ Lifetime warranty



The NVT Model NV-413A 4-Channel Video Transceivers is a passive (non-amplified) devices that allows the transmission of real-time monochrome or colour video over Unshielded Twisted-Pair (UTP) telephone cable. Baseband (composite) signals of any type are supported.

Up-the-coax type signal may be sent over the same cable 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 cable bundle as telephone, datacom, or low-voltage power circuits. This allows the use of a shared or existing cable plant. With built-in surge protection, damaging voltage spike problems are eliminated.

Network Video Technologies Ltd

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Model NV-413A 4-Channel Video Transceiver

Technical Specifications

Video

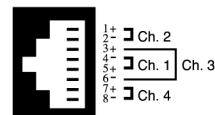
Frequency response	DC to 5 MHz
Attenuation	0.5 dB typ
Common-mode / Differential-mode rejection	
15 KHz to 5 MHz	60 dB typ
Impedance	
Coax, female BNC	75 ohms
UTP, Screw Terminal Block or RJ-45	100 ohms

Cable Type

Network Cabling	One Unshielded Twisted Pair (for each video signal) 24-16 AWG (0,5-1,31mm)
Cable Type	CAT5e
Impedance	100 ± 20 ohms
DC Loop Resistance (24AWG)	52 ohms per 1,000 ft (18 ohms per 100 m)
Differential Capacitance	19 pF/ft max (62 pF/m max)

Connectors

Use either terminal block or RJ-45
(not both)



Power

No external power required

Environmental

Temperature	-20 to +75°C
Humidity (non-condensing)	0 to 95%
Transient Immunity	6,000 V 1.2µS x 50 µS per ANSI / IEEE 587 C62.41 B3 3,000 A 8µS x 20 µS when ground screw terminal is bonded to earth-ground

Mechanical

Dimensions, excluding connectors	7.3 x 2.35 x 1.65in (184 x 60 x 41mm)
Weight	12.0 oz (340 g)
Material	Black ABS
Mounting	Two 0.175 in (4,4mm) diameter holes 6.75in (171.5mm) apart

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

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