



Quality video over ordinary telephone wire...[®]

Model NV-413A 4-Channel Video Transceiver



Features



- ▶ **Four passive transceiver channels in one product**
- ▶ **Full-motion CCTV video at distances up to 225m (750ft) when used with a passive NVT transceiver or hub**
- ▶ **Up to 1 km (3,000ft) with an active receiver or hub**
- ▶ **Supports “up-the-coax” type control signal up to 225m (750ft)**
- ▶ **No power required**
- ▶ **Exceptional interference rejection**
- ▶ **Built-in transient protection**
- ▶ **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 Transceiver is a passive (non-amplified) device that allows the transmission of real-time monochrome or colour 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

4005 Bohannon Drive • Menlo Park, CA • 94025 • USA
(+1) 650.462.8100 • FAX (+1) 650.326.1940
www.nvt.com • info@nvt.com



Quality video over ordinary telephone wire...®

Model NV-413A 4-Channel Video Transceiver

Technical Specifications

Video

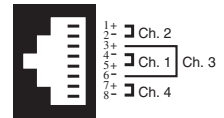
Frequency response	DC to 5 MHz
Attenuation	0.5 dB typ
Common-mode / Differential-mode rejection 15 KHz to 5 MHz	60 dB typ
Impedance	
Coax, female BNC	75 ohms
UTP, Screw Terminal Block or RJ45	100 ohms

Wire Type

Network Wiring	One Unshielded Twisted Pair (for each video signal) 0.5-1,31mm (24-16 AWG)
Category Type	2 or better
Impedance	100 ± 20 ohms
DC Loop Resistance (24AWG)	18 ohms per 100 m (52 ohms per 1,000 ft)
Differential Capacitance	62 pF/m max (19 pF/ft 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	per ANSI / IEEE 587 C62.41

Mechanical

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

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

Specifications subject to change without notice.

Network Video Technologies

4005 Bohannon Drive • Menlo Park, CA • 94025 • USA
(+1) 650.462.8100 • FAX (+1) 650.326.1940
www.nvt.com • info@nvt.com

Copyright © 2005 NVT, Inc.

411-763-6-E