



Quality video over ordinary telephone wire...®

Model NV-214A-M Video Transceiver



Features:

- ▶ Full-motion CCTV video at distances up to 750ft (225m) when used with any passive NVT transceiver or hub
- ▶ Up to 3,000ft (1 km) with an NVT active receiver or hub
- ▶ Supports “up-the-coax” type control signal up to 750ft (225m)
- ▶ Mini-coax pigtail supports in-camera mounting in most dome cameras
- ▶ No power required
- ▶ Exceptional interference rejection
- ▶ Built-in transient protection
- ▶ Male BNC on the NV-214A-M allows connection directly to the camera/DVR
- ▶ Limited lifetime warranty

The NVT Model NV-214A-M 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.

This product is an improvement over NVT's popular NV-213A video transceiver. The passive NV-214A-M has a 9" mini-coax pigtail lead which allows in-camera enclosure mounting in most dome cameras and a greater number of mounting options in general at both ends of the system. It 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. The NV-214A-M Video Transceiver also incorporates new improved transient protection that eliminates the need for a ground screw.

The unparalleled interference rejection and low emissions of the NV-214A-M 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. As with all NVT products, the NV-214A-M carries a limited lifetime warranty and is UL and cUL listed.

Network Video Technologies

4005 Bohannon Drive • Menlo Park, CA • 94025 • USA
(+1) 650.462.8100 • 800.959.9870 • FAX (+1) 650.326.1940
www.nvt.com • info@nvt.com



Quality video over ordinary telephone wire...®

Model NV-214A-M 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, male BNC	75 ohms
UTP, Screwless Terminal Block	100 ohms

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

Wire Type

Network Wiring	One Unshielded Twisted Pair 24-16 AWG (0,5-1,31 mm)
Category Type	2 or better
Impedance	100 ± 20 ohms
DC Loop Resistance (24 AWG)	52 ohms per 1,000 ft (18 ohms per 100 m)
Differential Capacitance	19 pF/ft max (62 pF/m max)

Mechanical

Body Length	1.8 inches (45mm)
Body Diameter	1.0 inches (26mm)
Pigtail Length	9 inches (228 mm)
Weight	2.0 oz (60 g)

Specifications subject to change without notice.

Network Video Technologies

4005 Bohannon Drive • Menlo Park, CA • 94025 • USA
(+1) 650.462.8100 • 800.959.9870 • FAX (+1) 650.326.1940
www.nvt.com • info@nvt.com

Copyright © 2005 NVT, Inc.

411-214-1-B