



Quality video over ordinary telephone wire...®

Model NV-218A-PVD Video Transceiver



Features:

- ▶ Power-Video-Data (PVD) signals are routed via UTP and RJ45 or “Press-Fit” terminal block for organized pass-through of inputs/outputs
- ▶ Mini-coax pigtail supports in-camera mounting in most dome cameras
- ▶ Use with the RJ45 connector based NV-704J-PVD or the NV-716J-PVD for organized cable management to your control equipment from the IDF
- ▶ Up to 3,000ft (1 km) with an NVT active receiver or hub
- ▶ Supports “up-the-coax” type control signal up to 750ft (225m)
- ▶ Exceptional interference rejection
- ▶ Built-in transient protection

The NVT Model NV-218A-PVD Video Transceiver with Power and Data 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 new product incorporates the transceiver engine of NVT’s popular NV-213A video transceiver with the added value of Power and Data connections to and from the camera. Power, Video and Data are routed via UTP and RJ45 or “press-fit” terminal block inputs/outputs. Used at the camera, the passive NV-218A-PVD has a 9" mini-coax pigtail lead for direct video output connection from the camera. Along side this coax lead are two sets of “press-fit” terminal blocks for quick pass through connections for your camera’s Power and Data. On the “house” or output side of the product you have the option of using convenient “press-fit” UTP connectors or the more efficient RJ45.

The unparalleled interference rejection and low emissions of the NV-218A-PVD 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-218A-PVD carries a limited lifetime warranty and is UL and cUL listed.

Network Video Technologies

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Technical Specifications

Video

Frequency response	DC to 5 MHz
Attenuation	0.5 dB typ
Common-mode / Differential-mode rejection 50 KHz to 5 MHz	60 dB typ
Impedance	
Coax, male BNC	75 ohms
UTP, (Screwless) Terminal Block	100 ohms
UTP, RJ45 Data Connector	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) 2 or better
Category Type	2 or better
Impedance	100 ± 20 ohms
DC Loop Resistance	52 ohms per 1,000 ft (18 ohms per 100 m)
Differential Capacitance	19 pF/ft max (62 pF/m max)

Mechanical

Body Length	1.50 inches (38mm)
Body Depth	0.85 inches (22mm)
Body Height	1.54 inches (39mm)
Pigtail Length	9 inches (228 mm)
Weight	2.0 oz (60 g)

Specifications subject to change without notice.



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