



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 3,000 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
- Mini-coax pigtail supports in-camera mounting in most dome cameras
- Reliable screwless UTP terminal connection
- No power required
- Exceptional interference rejection
- Built-in transient protection
- Supports “up-the-coax” type control signal up to 750ft (225m)
- 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 (225m). The NV-214A-M Video Transceiver also incorporates 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.

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	
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

Ambient ambient temperature	-22 to +167 °F (-30 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 (0,5-1,31mm)
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)

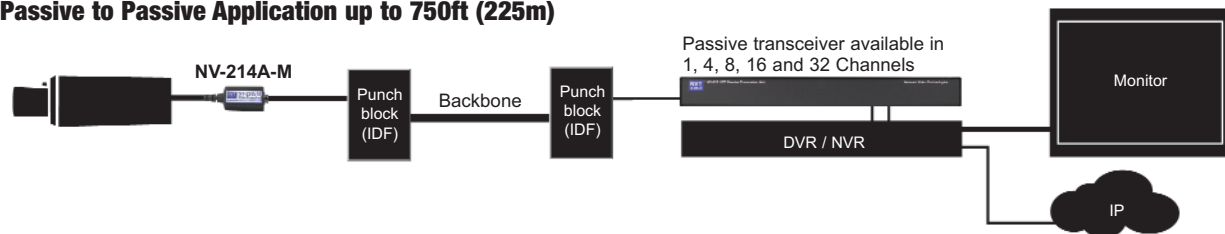
MECHANICAL

Body Length	1.8in (45mm)
Body Height	1.0in (26mm)
Body Width	9in (228mm)
Weight	2.0oz (60g)

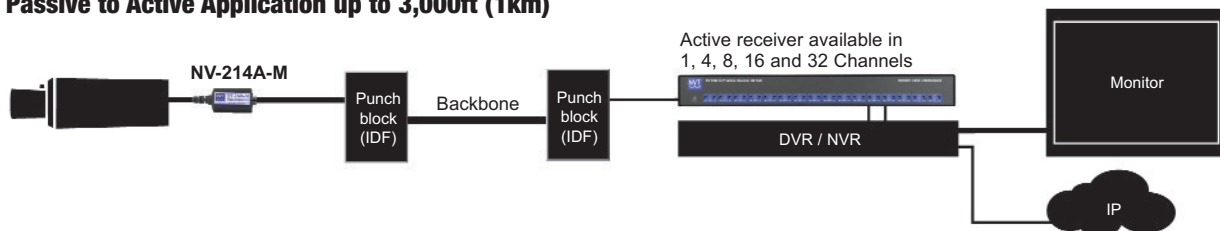
Specifications subject to change without notice.

Typical Applications

Passive to Passive Application up to 750ft (225m)



Passive to Active Application up to 3,000ft (1km)



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