



Model NV-217J-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 1,500 feet (460m) shall be supported by any NVT StubEQ™ Hub
- Up to 3,000 feet (1,000m) with a DigitalEQ™ Hub or NVT Active Receiver
- Frequency response DC to 10MHz (see Resolution Distance Chart)
- Male BNC allows connection directly to the camera or DVR
- RJ45 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-217J-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) data wire. Baseband (composite) signals of any type are supported.

The passive NV-217J-M features a RJ45 connection and Male BNC allowing connection directly to the camera or DVR. 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-217J-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-217J-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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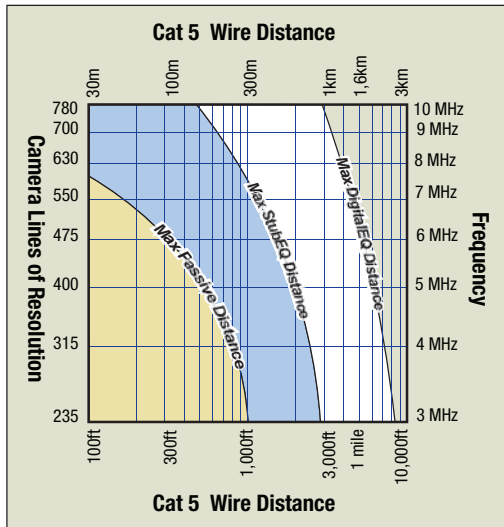


Model NV-217J-M

Video Transceiver

Technical Specifications

VIDEO DISTANCE RECOMMENDATIONS



VIDEO

Frequency response	DC to 10 MHz
Attenuation	0.5 dB typ
Common-mode / Differential-mode rejection	60 dB typ
15 KHz to 5 MHz	
Impedance	
Coax, male BNC	75 ohms
UTP, RJ45	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
 24-22 AWG (0,5-0,64mm)



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)

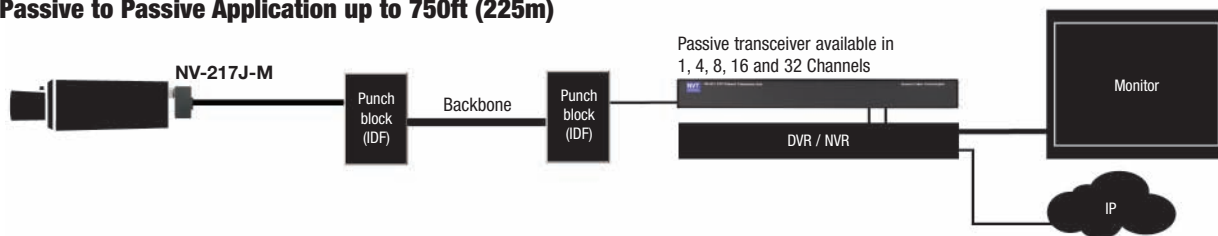
MECHANICAL

Body Length	1.6in (40.6mm)
Body Height	0.88in (22mm)
Body Width	0.8in (20.5mm)
Product Weight	0.09lbs (41g)
Packaged Weight	0.12lbs (54g)

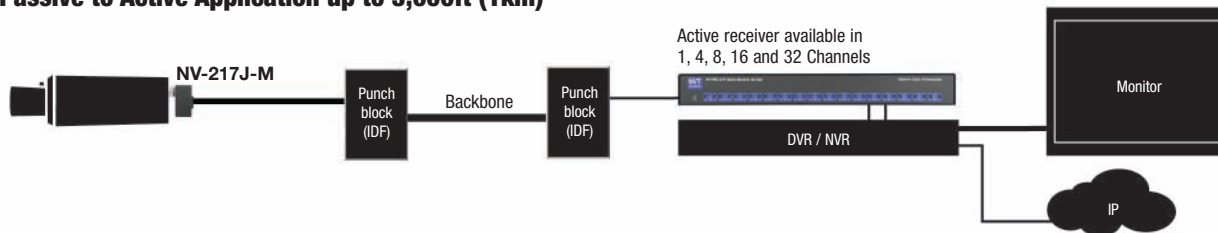
Specifications subject to change without notice.

Typical Applications

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



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



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