

NEW!



Model NV-217J-M
Video Transceiver

AVAILABLE SEPTEMBER 2010



Features:

- Full-motion CCTV video at distances up to 225m (750ft) when used with any Passive NVT Transceiver or hub
- Up to 460m (1,500 feet) shall be supported by any NVT StubEQ™ Hub
- Up to 1,000m (3,000 feet) 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 225m (750ft)
- 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 colour 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 equalised signal to the DVR when used with any Active NVT Receiver, yet is compatible with all of NVT's passive products for applications under 225m (750ft). 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.

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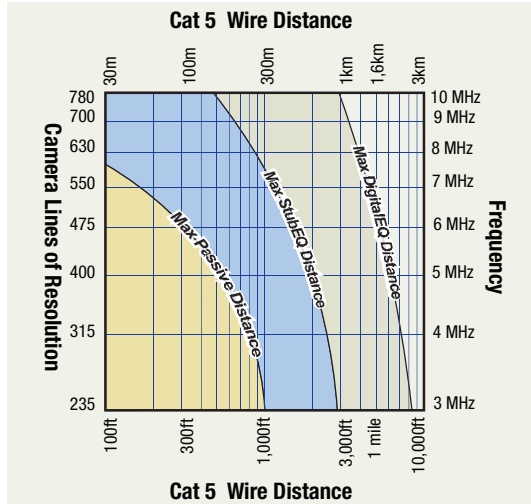


Model NV-217J-M

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	75 ohms
Coax, male BNC	
UTP, RJ45	100 ohms

POWER

No external power required

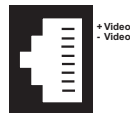
ENVIRONMENTAL

Ambient ambient temperature -30 to +75 °C (-22 to +167 °F)
 Humidity (non-condensing) 0 to 95%
 Transient Immunity per ANSI / IEEE 587 C62.41

WIRE TYPE

Network Wiring

One Unshielded Twisted Pair
 0,5-0,64mm (24-22 AWG)



Category Type
 Impedance
 DC Loop Resistance

2 or better
 100 ± 20 ohms
 18 ohms per 100m
 (52 ohms per 1,000ft)
 62 pF/m max
 (19 pF/ft max)

Differential Capacitance

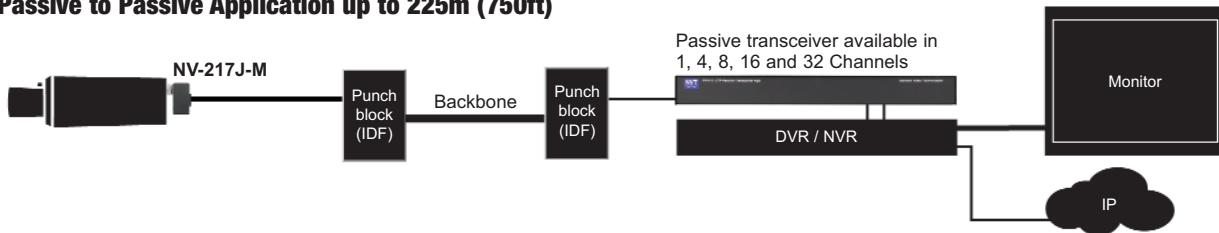
MECHANICAL

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

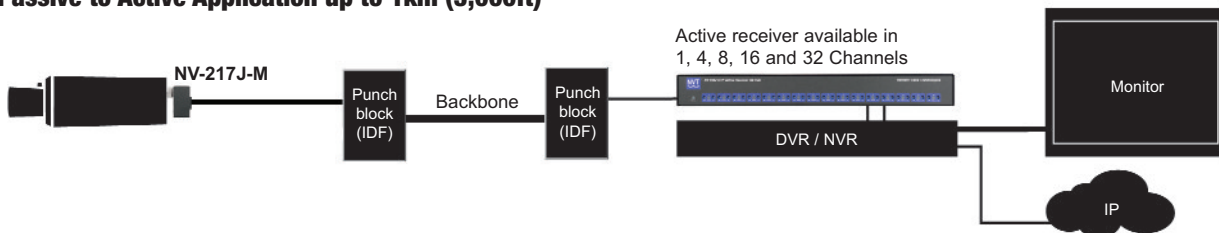
Specifications subject to change without notice.

Typical Applications

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



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



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