



## **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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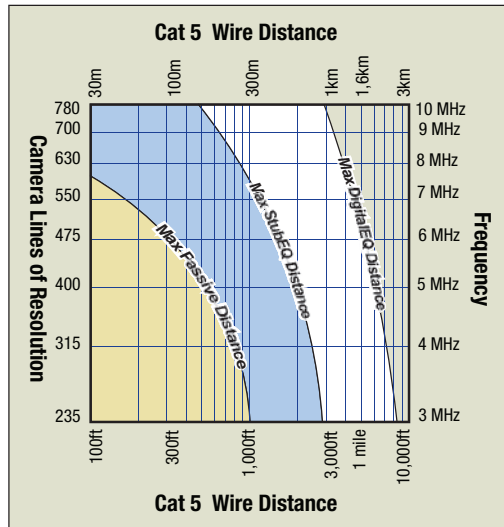


## Model NV-217J-M

### Video Transceiver

#### Technical Specifications

##### VIDEO DISTANCE RECOMMENDATIONS



##### VIDEO

Frequency response	DC to 10 MHz
Attenuation	0.5 dB typ
Common-mode / Differential-mode rejection	
15 KHz to 5 MHz	60 dB typ
Impedance	
Coax, male BNC	75 ohms
UTP, RJ45	100 ohms

##### POWER

No external power required

##### ENVIRONMENTAL

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



Category Type

Impedance

DC Loop Resistance

Differential Capacitance

One Unshielded Twisted Pair  
24-22 AWG (0.5-0.64mm)

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

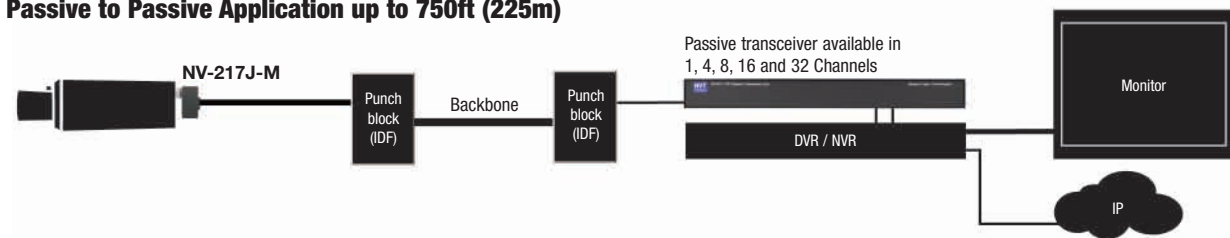
##### MECHANICAL

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)

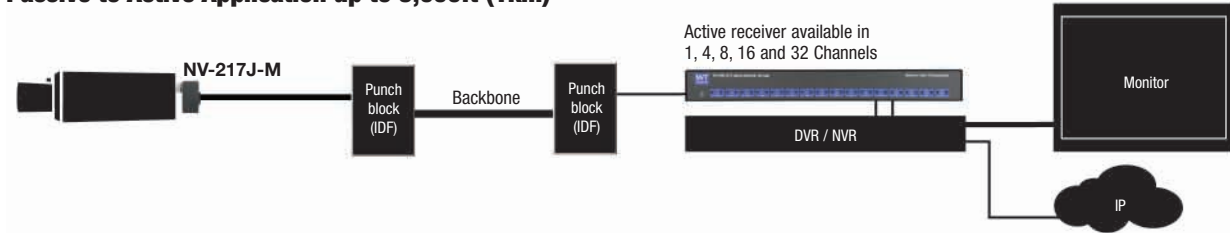
Specifications subject to change without notice.

#### Typical Applications

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



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



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