

## Model NV-215J-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)
- Mini-coax pigtail supports in-camera mounting in most dome cameras
- 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-215J-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.

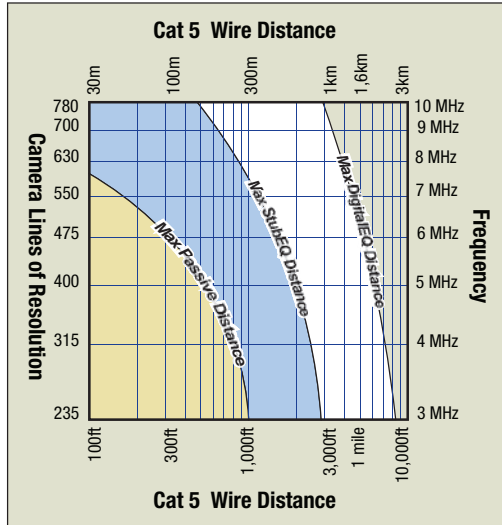
The passive NV-215J-M has a 9" mini-coax pigtail lead which allows in-camera enclosure mounting in most dome cameras and a RJ45 for connection to UTP wire. It is capable of delivering a fully equalized signal to the DVR when used with any Active NVT Receiver, yet is compatible with all of NVT's passive products for applications under 750ft (225m). The NV-215J-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-215J-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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### 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	100 ohms
UTP, RJ45	

#### 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)

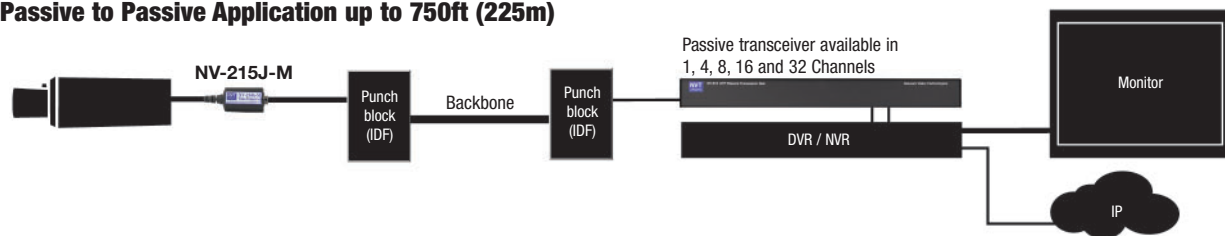
#### MECHANICAL

Body Length	1.8in (45mm)
Body Height	1.0in (26mm)
Body Width	1.65in (42mm)
Product Weight	2.0oz (60g)
Packaged Weight	0.14lb (63g)

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)

