

**NEW!**



## Model NV-215J-M

AVAILABLE SEPTEMBER 2010

### Video Transceiver



#### 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)
- 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 225m (750ft)
- 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 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-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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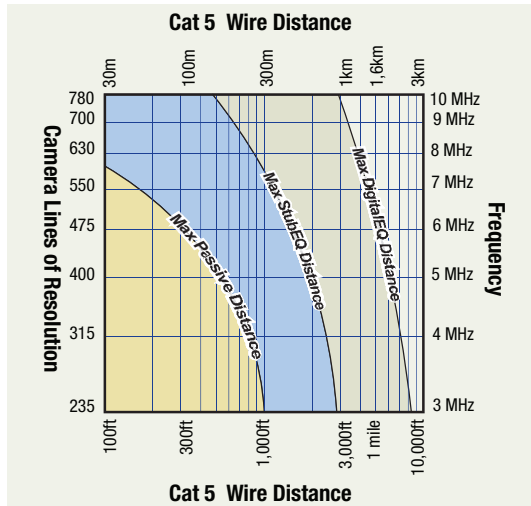


# Model NV-215J-M

## 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	100 ohms
UTP, RJ45	

#### 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

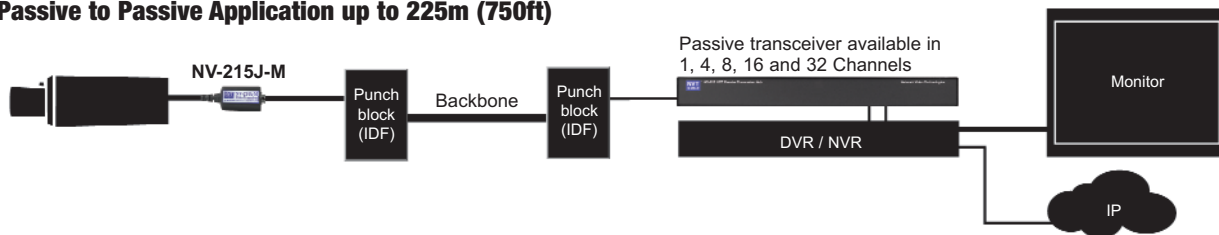
#### MECHANICAL

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

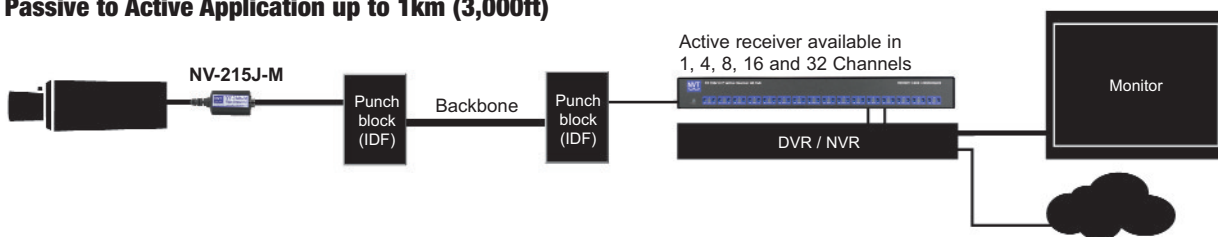
Specifications subject to change without notice.

### Typical Applications

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



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



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