



## Model NV-813S 8-Channel Video Transceiver Hub



RJ45 Adaptors  
Included

### Features:

- Compact rack mountable 19" 1U high enclosure features 8 channels and only 1.54" (40mm) deep
- Use with any NVT passive transceiver or hub for full motion CCTV at distances up to 750ft (225m)
- Use with any NVT DigitalEQ™ Hub or active receiver as a rack-mountable passive transmitter for distances up to 3,000ft (1km)
- Use with any NVT StubEQ™ for distances up to 1,500ft (460m)
- RJ45 video connectivity with optional NV-RJ45A RJ45-to-screw terminal adaptors included
- No power required
- Exceptional interference rejection
- Built-in transient protection
- Supports "up-the coax" type control signal up to 750ft (225m)
- Compatible with qualified UTP cameras
- Limited lifetime warranty

The NVT Model NV-813S is a compact 8-channel passive transceiver hub that allows transmission of real-time monochrome or color video over Unshielded Twisted-Pair (UTP) telephone wire. Baseband (composite) signals of any type are supported.

"Up-the-coax" type signal may be sent over the same wire pair at distances up to 750ft (225m).

The unparalleled interference rejection ability of the Model NV-813S Hub allows video signals to co-exist in the same wire bundle as telephone, datacom, or low-voltage power circuits. Perfect for larger CCTV installations where port density and camera number growth are prevalent. With built-in transient protection, damaging voltage spike problems are eliminated.

### Network Video Technologies

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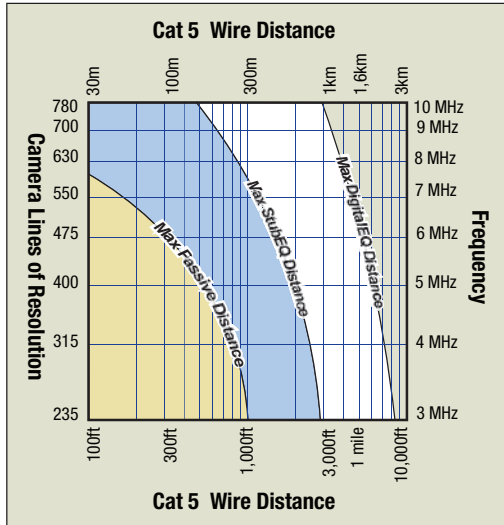


# Model NV-813S

## 8-Channel Video Transceiver Hub

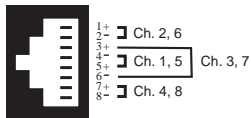
### Technical Specifications

#### 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, female BNC	75 ohms
UTP, Screw terminal block or RJ45	100 ohms



#### WIRE TYPE

Network Wiring	One Unshielded Twisted Pair
	24-16 AWG (0.5-1.31mm)
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)

#### 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

#### MECHANICAL

Dimensions, excluding brackets and connectors	
Packaged weight	.96lbs (.44kg)
Dimensions	19in wide, 1.7in high, 1.54in deep
	43cm wide, 4.3cm high, 40mm deep
Mounting	
Rack or wall mount	

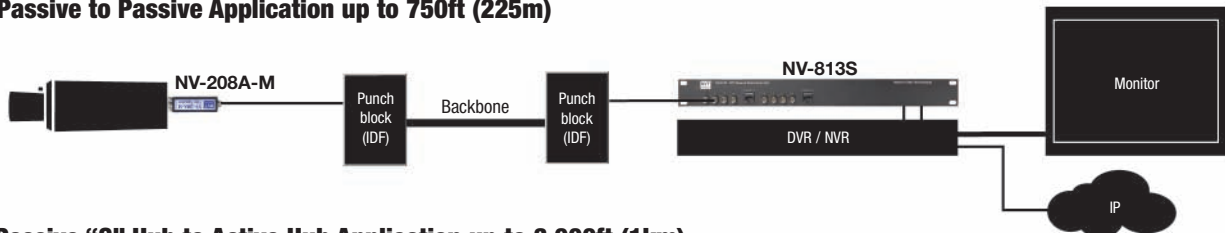
#### ACCESSORIES (included)

Two NV-RJ45A RJ45 to screw terminal adaptors  
Rack mounting screws and screw driver

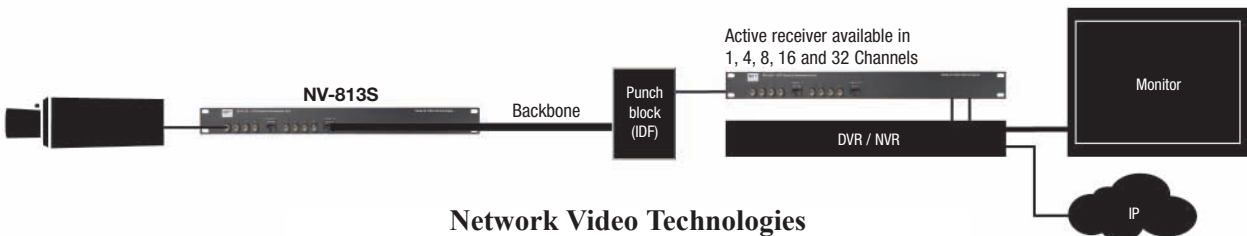
Specifications subject to change without notice.

### Typical Applications

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



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



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