



*Quality video over ordinary telephone wire...®*

# Model NV-813A, NV-813J, NV-1613A, NV-1613J, NV-3213A & NV-3213J Video Transceiver Hubs



(NV-3213A Front)



(NV-3213A Rear)

## Features:

- ▶ Use with any NVT passive transceiver or hub as a rack-mountable passive transceiver at distances up to 750ft (225m)
- ▶ Use with any NVT active receiver or hub as a rack-mountable passive transmitter for distances up to 3,000ft (1km)
- ▶ High-Density 19" 1U high enclosure features 8 ports (NV-813A/NV-813J), 16 ports (NV-1613A/NV-1613J) or 32 ports (NV-3213A/NV-3213J)
- ▶ Compatible with qualified UTP cameras
- ▶ No power required
- ▶ Built-in transient protection
- ▶ Supports "up-the coax" type control signal up to 750ft (225m)
- ▶ Includes 8, 16 or 32 2-foot (60cm) coax jumper cables & rackmount hardware
- ▶ Limited lifetime warranty

The NVT Models NV-813A, NV-813J, NV-1613A, NV-1613J, NV-3213A and NV-3213J are 8, 16 and 32-port passive transceiver hubs that allow 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 Passive Video Transceiver Hubs 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.

### Network Video Technologies

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## Technical Specifications

### Video

Frequency response	DC to 5 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



1+	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24

Ch. 2, 6, 10, 14, 18, 22, 26 or 30  
Ch. 1, 5, 9, 13, 17, 21, 25 or 29  
Ch. 4, 8, 12, 16, 20, 24, 28 or 32

Ch. 3, 7, 11, 15,  
19, 23, 27 or 31

### 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 (24AWG)	52 ohms per 1,000 ft (18 ohms per 100 m)
Differential Capacitance	19 pF/ft max (62 pF/m max)

### Environmental

Temperature	-20 to +75°C
Humidity (non-condensing)	0 to 95%
Transient Immunity	
per ANSI / IEEE 587 C62.41	

### Power

No external power required

### Mechanical

Dimensions, excluding brackets and connectors	
Weight	NV-813A (J) 3.8lb (1,7kg) NV-1613A (J) 4.2lb (1,9kg) NV-3213A (J) 6.6lb (3,0kg)
Dimensions	17in wide, 1.7in high, 8.125in deep 43cm wide, 4,5cm high, 20cm deep

### Accessories

(included)	
Mounting	Rack mount "L" brackets for front, rear, or wall installations; rubber feet for desk applications
Cables	
NV-813A (J)	Eight 2 ft (60cm) coax jumpers and one 7 ft (2m) ground wire
NV-1613A (J)	Sixteen 2 ft (60cm) coax jumpers and one 7 ft (2m) ground wire
NV-3213A (J)	Thirty-two 2 ft (60cm) coax jumpers and one 7 ft (2m) ground wire

Specifications subject to change without notice.

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