

Quality video over ordinary telephone wire...®

Model NV-813A & NV-1613A Video Transceiver Hubs



(Front)



(Rear)



Features:

- ▶ Use with the NV-213A, NV-213A-M, NV-813A, or NV-1613A as a rack-mountable passive transmitter or receiver at distances up to 1,000ft (300m)
- ▶ Use with the NV-652R, NV-862R, or NV-1662R as a rack-mountable passive transmitter for distances up to 3,000ft (1km)
- ▶ High-Density 19" 1U high enclosure features 8 ports (NV-813A) or 16 ports (NV-1613A)
- ▶ Compatible with qualified UTP cameras
- ▶ No power required
- ▶ Built-in transient protection
- ▶ Supports "up-the coax" type control signal up to 1,000ft (300m)

Hub Kit includes 8 or 16 2-foot (60cm) coax jumper cables & rackmount hardware

The NVT Models NV-813A and NV-1613A are 8 and 16-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.

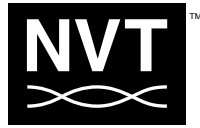
"Up the coax" type signal may be sent over the same wire pair at distances up to 1,000ft (300m).

The unparalleled interference rejection ability of the Model NV-813A & NV-1613A 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, Inc.

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**NV-813A
NV-1613A**



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Model NV-813A & NV-1613A Video Transceiver Hubs

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, Terminal Block	100 ohms

Wire Type

Network Wiring	One Unshielded Twisted Pair 24 AWG (0,5 mm) or thicker
Category Type	2 or better
Impedance	100 ± 20 ohms
DC Loop Resistance	52 ohms per 1,000 ft (18 ohms per 100 m)
Differential Capacitance	19 pF/ft max (62 pF/m max)
Wire Length	See chart below

Power

No external power required

Environmental

Temperature	-20 to +75°C
Humidity (non-condensing)	0 to 95%
Transient Immunity	6,000 V 1.2µS x 50 µS per ANSI / IEEE 587 C62.41 B3 3,000 A 8µS x 20 µS when ground screw is bonded to earth-ground

Mechanical

Dimensions, excluding brackets and connectors	
Weight	5 lb (2.2kg)
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	Eight 2ft (60cm) coax jumpers and one 7ft (2m) ground wire
NV-1613A	Sixteen 2ft (60cm) coax jumpers and one 7f. (2m) ground wire

Product Selection Chart

Specifications subject to change without notice.

Distance	Transmitter Model	Ext. Power Required	Receiver Model	Ext. Power Required	Ground Lifting	Transient Protection	P/T/Z Control
0 to 500ft (0 to 150m)	NV-212A Video Transceiver .....No or Qualified OEM Camera	.....No	NV-212A Video Transceiver.....No	.....No	No	No, not for inter-building use	Yes
0 to 1,000ft (0 to 300m)	NV-213A/A-M Video Transceiver.....No or NV-813A 8-Port Passive Hub .....No or NV-1613A 16-Port Passive Hub ....No. or Qualified OEM Camera	.....No	NV-213A Video Transceiver .....No or NV-813A 8-Port Passive Hub .....No or NV-1613A 16-Port Passive Hub .....No	.....No	No	Built-in	Yes
0 to 3,000ft (0 to 1km)	NV-213A/A-M Video Transceiver.....No or NV-813A 8-Port Passive Hub .....No or NV-1613A 16-Port Passive Hub ....No or Qualified OEM Camera	.....No	NV-652R Video Receiver .....12-24V AC/DC or NV-862R 8-Port Active Rcvr. Hub .....Xformer Incl. or NV-1662R 16-Port Active Rcvr. Hub ...Xformer Incl.	.....12-24V AC/DC	Yes	Built-in	No, Use RS-422
Cat. 2 or 3 0 to 1 mile 0 to 5,280ft (0 to 1,6 km) or Cat. 5 0 to 1.5 miles 0 to 8,000ft (0 to 2,4 km)	NV-653T Video Transmitter...24V AC/DC		NV-652R Video Receiver12-24V AC/DC or NV-862R 8-Port Active Rcvr. HubXformer Incl. or NV-1662R 16-Port Active Rcvr. Hub ...Xformer Incl.12-24V AC/DC	Yes	Built-in	No, Use RS-422

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