

Quality video over ordinary telephone wire...[®]

Model NV-862R & NV-1662R Video Receiver Hubs



(Front)



(Rear)

Features:

- ▶ Full-motion monochrome or color video at distances up to:
 - 3,000ft (1 km) when used with NV-213A, NV-213A-M, NV-813A, or NV-1613A
 - 5,280ft 1 mile (1,6km) when used with NV-653T transmitter and Cat-2 or 3 wire
 - 8,000ft 1.5 miles (2,4km) when used with NV-653T transmitter and Cat-5 wire
- ▶ High-Density 19" 1U high enclosure features 8 ports (NV-862R) or 16 ports (NV-1662R)
- ▶ Compatible with qualified UTP cameras
- ▶ Exceptional interference rejection
- ▶ Built-in transient protection & ground lifting
- ▶ Built-in sharpness and brightness controls; Green Active LED for each port
- ▶ Hub Kit includes 8 or 16 2-foot (60cm) coax jumper cables & rackmount hardware
- ▶ Limited lifetime warranty



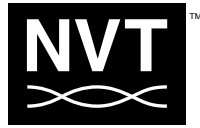
The NVT Models NV-862R and NV-1662R are 8 and 16-port active (amplified) devices that allow the transmission of real-time monochrome or color video on up to one mile (1,6km) using Category-2 or 3 Unshielded Twisted-Pair (UTP) or up to 1.5 miles (2,4km) using Category-5. Baseband (composite) signals of any type are supported.

The unparalleled interference rejection and low emissions allow long run video signals to co-exist in the same wire bundle as telephone, datacom, or low-voltage power circuits. This allows the use of shared or existing cable plant. Ground-lifting ensures no annoying "hum-bars" when ground potential differences exist. With built-in transient protection, damaging voltage spike problems are eliminated. Perfect for larger CCTV installations where port density and camera number growth are prevalent.

Network Video Technologies, Inc.

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NV-862R
NV-1662R



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Technical Specifications

Video

Frequency response	DC to 5 MHz
Common-mode / Differential-mode rejection	
15 KHz to 5 MHz	60 dB typ
Impedance	
Coax, female BNC	75 ohms
UTP, Terminal Block	100 ohms

LED Indicators

Blue Power; Green "Active" signal present per port

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*

Environmental

Temperature	0 to +50°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

Power

24V AC/DC	800 mA max Transformer & Terminal Block included
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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-862R	Eight 2ft (60cm) coax jumpers and one 7ft (2m) ground wire
NV-1662R	Sixteen 2ft (60cm) coax jumpers and one 7f. (2m) ground wire

Product Selection Chart

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 TransceiverNo 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 HubNo or NV-1613A 16-Port Passive HubNo. or Qualified OEM Camera	No	NV-213A Video TransceiverNo or NV-813A 8-Port Passive HubNo or NV-1613A 16-Port Passive HubNo	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 HubNo or NV-1613A 16-Port Passive HubNo or Qualified OEM Camera	No	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
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	No	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

* Video signals traveling in opposite directions may co-exist in the same wire bundle up to 1,000ft (300m) or 2,000ft (600m) if Cat-5 wire is used.

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