



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

# Model NV-862R, NV-1662R & NV-3262R

## Video Receiver Hubs



(NV-3262R Front)



(NV-3262R Rear)

### Features:

- ▶ Full-motion monochrome or color video at distances up to:
  - 3,000ft (1km) when used with NV-213A, NV-213A-M, NV-413A, NV-813A, NV-1613A or NV-3213A
  - 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) NTSC when used with NV-653T and Cat-5 wire
- ▶ High-Density 19" 1U high enclosure features 8 ports (NV-862R), 16 ports (NV-1662R) or 32 ports (NV-3262R)
- ▶ Compatible with qualified UTP cameras
- ▶ Built-in transient protection & ground lifting
- ▶ Built-in sharpness and brightness controls; Green Active LED for each port
- ▶ Includes 8, 16 or 32 2-foot (60cm) coax jumper cables & rackmount hardware
- ▶ Limited lifetime warranty



The NVT Models NV-862R, NV-1662R and NV-3262R are 8, 16 and 32-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) NTSC using Category-5.

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

### 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 is bonded to earth-ground	

### Power

NV-862R	115/230V, built-in, 50/60Hz 160 mA
NV-1662R	115/230V, built-in, 50/60Hz 160 mA
NV-3262R	115/230V, built-in, 50/60Hz 315mA

### Mechanical

Dimensions, excluding brackets and connectors	
Weight	NV-862R 4.8lb (2,2kg) NV-1662R 5.5lb (2,5kg) NV-3262R 8.0lb (3,6kg)
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 2 ft (60cm) coax jumpers
NV-1662R	Sixteen 2 ft (60cm) coax jumpers
NV-3262R	Thirty-two 2 ft (60cm) coax jumpers

Specifications subject to change without notice.

## 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 Transceiver .....No or Qualified OEM Camera†.....Yes		NV-212A Video Transceiver .....No		No	No, not for inter-building use	Yes
0 to 750ft (0 to 225m)	NV-212A Video Transceiver .....No		NV-413A 4-Port Passive Transceiver .....No or NV-813A 8-Port Passive Hub .....No or NV-1613A 16-Port Passive Hub .....No or NV-3213A 32-Port Passive Hub .....No		No	No, not for inter-building use	Yes
0 to 1,000ft** (0 to 300m)	NV-213A Video Transceiver .....No or NV-213A-M Video Transceiver.....No or NV-413A 4-Port Transceiver .....No or NV-813A 8-Port Passive Hub .....No or NV-1613A 16-Port Passive Hub.....No or NV-3213A 32-Port Passive Hub.....No or Qualified OEM Camera†		NV-213A Video Transceiver .....No or NV-413A 4-Port Passive Transceiver.....No or NV-813A 8-Port Passive Hub .....No or NV-1613A 16-Port Passive Hub .....No or NV-3213A 32-Port Passive Hub .....No		No	Built-in	Yes
0 to 3,000ft* (0 to 1km)	NV-213A Video Transceiver.....No or NV-213A-M Video Transceiver.....No or NV-413A 4-Port Transceiver.....No or NV-813A 8-Port Passive Hub .....No or NV-1613A 16-Port Passive Hub.....No or NV-3213A 32-Port Passive Hub.....No or Qualified OEM Camera†		NV-452R 4-Port Active Receiver .....24V AC/DC or NV-652R Video Active Receiver .....12-24V AC/DC or NV-862R 8-Port Active Rcvr. Hub .....115/230 VAC or NV-1662R 16-Port Active Rcvr. Hub .....115/230 VAC or NV-3262R 32-Port Active Rcvr. Hub .....115/230 VAC		Yes	Built-in	No, Use RS-422 or RS-485
Cat. 2 or 3* 0 to 1 mile 0 to 5,280ft (0 to 1,6km)  or NTSC Cat. 5* 0 to 1.5 miles 0 to 8,000ft (0 to 2,4km)	NV-653T Video Transmitter...24V AC/DC		NV-452R 4-Port Active Receiver .....24V AC/DC or NV-652R Video Receiver .....12-24V AC/DC or NV-862R 8-Port Active Rcvr. Hub .....115/230 VAC or NV-1662R 16-Port Active Rcvr. Hub .....115/230 VAC or NV-3262R 32-Port Active Rcvr. Hub .....115/230 VAC		Yes	Built-in	No, Use RS-422 or RS-485

\* 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

\*\* For Digital Recording applications, it is recommended that Passive to Passive transmission (Example: NV-213A to NV-213A) distances be limited □ to no more than 750 ft. For distances greater than 750 ft. please use an NVT Active Receiver product.

† The following companies have products which have an integrated NVT UTP/CCTV output module: Ademco Video, CBC, Extreme CCTV, Kalatel, Silent Witness, Ultrak, Vicon, Videolarm. These cameras, therefore, have what is equivalent to the NV-213A built into the camera. When used with NVT active receiver models, □ transmission distances up to 3,000ft or (1km) are possible.

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