



Model NV-1613S 16-Channel Video Transceiver Hub



RJ45 Adaptors
Included

Features:

- Compact rack mountable 19" 1U high enclosure features 16-channels and is 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-1613S is a compact 16-channel passive transceiver hub that allows transmission of real-time mono-chrome or color video over Unshielded Twisted-Pair (UTP) cable. 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-1613S 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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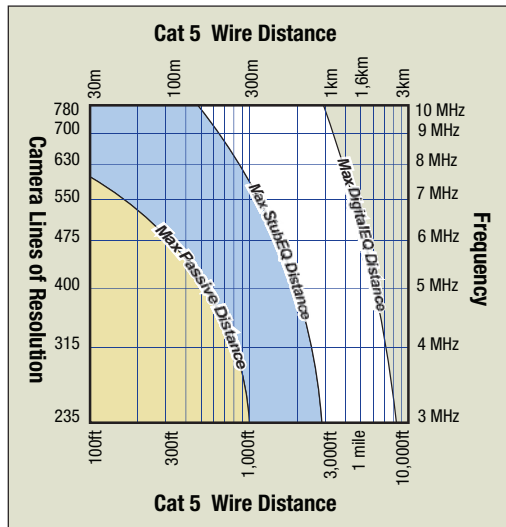


Model NV-1613S

16-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



- Ch. 2, 6, 10, 14
- Ch. 1, 5, 9, 13 □ Ch. 3, 7, 11, 15
- Ch. 4, 8, 12, 16

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	1.2lbs (.55kg)
Dimensions	19in wide, 1.7in high, 1.54in deep 43cm wide, 4.3cm high, 40mm deep

Mounting
Rack or wall mount

ACCESSORIES (included)

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

Specifications subject to change without notice.

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Typical Applications

