



Model NV-1613

16-Channel Video Transceiver Hub



Front



Rear



RJ45A Adaptors
Included

Features:

- High-Density 19" 1U high enclosure features 16 ports
- Use with any NVT passive transceiver or hub as a rack-mountable passive transceiver 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
- Includes sixteen 2ft (60cm) coax jumper cables and rackmount hardware
- Limited lifetime warranty

The NVT Model NV-1613 is a 16 port passive transceiver hub that allows 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 Model NV-1613 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

4005 Bohannon Drive • Menlo Park, CA 94025 • USA
(+1) 650.462.8100 • 800.959.9870 • FAX (+1) 650.326.1940
nvt.com • info@nvt.com



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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



1-4	Ch. 2, 6, 10, 14
5-8	Ch. 1, 5, 9, 13
9-12	Ch. 3, 7, 11, 15
13-16	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	
Weight	4.2lb (1,9kg)
Dimensions	17in wide, 1.7in high, 8.125in deep
	43cm wide, 4.3cm high, 20cm deep
Mounting	Wall, desk, or rack mount

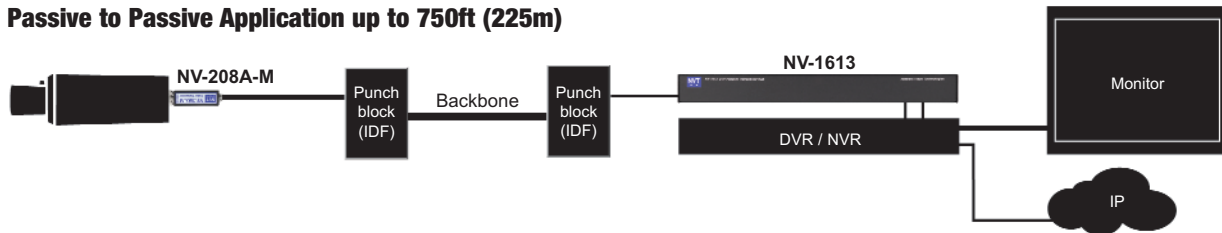
ACCESSORIES (Included)

Mounting	Rack mount "L" brackets for front, rear, or wall installations; rubber feet for desk applications
Cables	Sixteen 2ft (60cm) coax jumpers and one 7ft (200cm)
Adaptors	Four NV-RJ45A RJ45 to screw-terminal adaptors

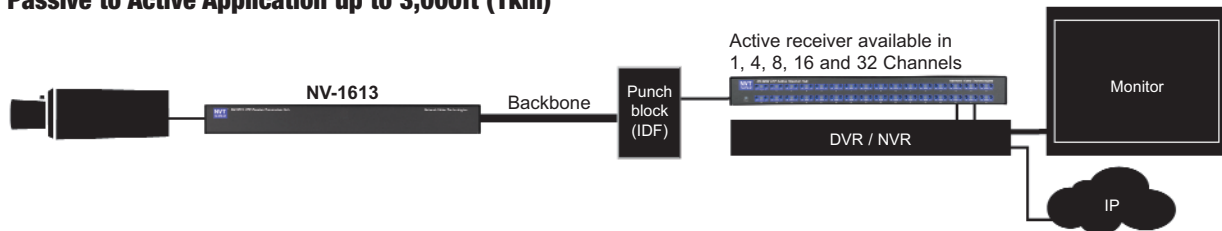
Specifications subject to change without notice.

Typical Applications

Passive to Passive Application up to 750ft (225m)



Passive to Active Application up to 3,000ft (1km)



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