



Model NV-1642

16-Channel StubEQ™ Active Receiver Hub



RJ45A Adaptors
Included

Features:

- Adaptive StubEQ™ fully automatic 2-band equalization provides adjustment-free equalization every time
- Compact rack-mountable 19" 1U high enclosure features 16 channels
- Full motion CCTV video at distances up to 1,500ft (460m) when used with any passive NVT transceiver or hub; 2,000ft (600m) when used with the NV-653T active transmitter
- RJ45 connectivity with optional NV-RJ45A RJ45-to-screw-terminal adaptors (included)
- Exceptional interference rejection
- Built-in transient protection and ground-lifting
- Compatible with qualified UTP cameras
- Includes rack mount hardware and four NV-RJ45A adaptors
- Limited lifetime warranty

Employing NVT's latest generation StubEQ™ technology, the NV-1642 is a 16-channel active (amplified) hub that allows the transmission of full-motion monochrome or color video for distances up to 2,000ft (600m) using Category 2 or better unshielded twisted-pair (UTP) wire. The receiver hub continuously and automatically conditions the video signal, compensating for cable attenuation, ground loops, and voltage transients, independent of video signal content.

The unparalleled interference rejection and low emissions allow long run video 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 spikes are eliminated.

Network Video Technologies

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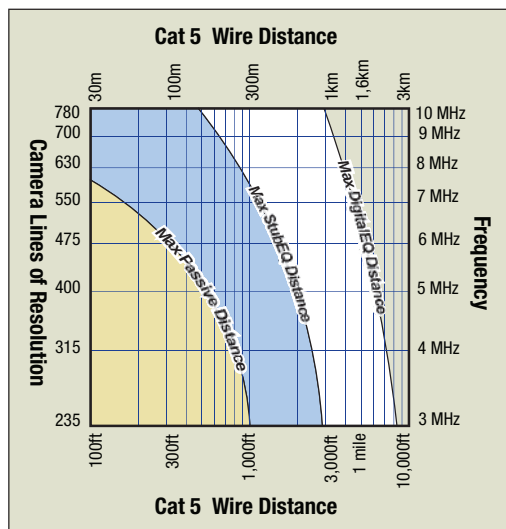


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16-Channel StubEQ™ Active Receiver Hub

Technical Specifications

VIDEO DISTANCE RECOMMENDATIONS



VIDEO

Frequency response	DC to 10 MHz
Equalization	0.5 dB typ
Automatic (no adjustment) 0 to 1,250ft (0 to 380m) for NTSC or PAL standards	
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



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

Outputs: female BNC

WIRE TYPE

Unshielded Twisted Pair	0 to 1,500ft 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)

LEDs

Power: Blue=OK Red=Fault

POWER

External 12VDC 1 Amp regulated power module with IEC380-8 inlet and molded power cord (included)

Voltage	115 / 230VAC
Current	125mA / 60mA
Wattage	15 Watts 50 BTU/Hour
Frequency	50 / 60 Hz

ENVIRONMENTAL

Ambient temperature	+32 to +122 °F (0 to +50 °C)
Minimum airflow	4 ft/min (0.1m ³ /min)
Humidity (non-condensing)	0 to 95 %
Transient Immunity	per ANSI / IEEE 587 C62.41

MECHANICAL

Dimensions, excluding brackets and connectors	
Dimensions	17in wide, 1.7in high, 1.875in deep 43cm wide, 4.5cm high, 4.8cm deep
Packaged weight	2.45lbs (1.1kg)

ACCESSORIES (Included)

Mounting	Rack mount "L" brackets for front, rear, or wall installations; rubber feet for desk applications
NV-RJ45A	Four NV-RJ45A RJ45 to-screw-terminal

Specifications subject to change without notice.

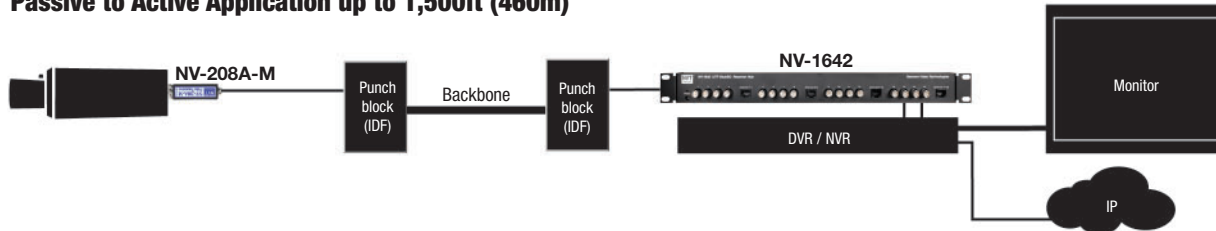
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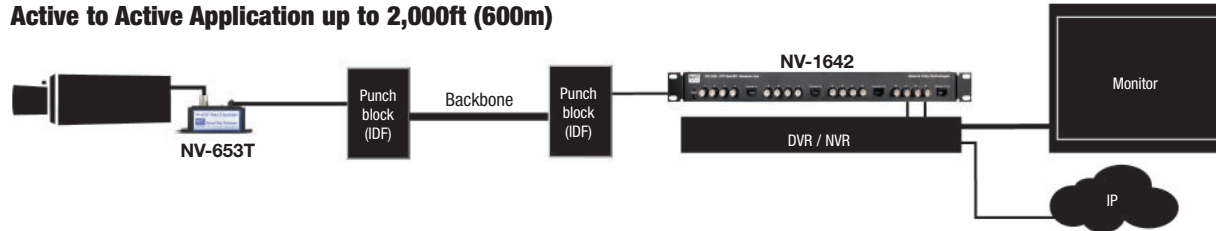


Typical Applications

Passive to Active Application up to 1,500ft (460m)



Active to Active Application up to 2,000ft (600m)



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