

NEW!



Model NV-1672

16-Channel DigitalEQ™ Active Receiver Distribution Amplifier Hub



Front



Rear



RJ45 Adaptors
Included

Features:

- Adaptive DigitalEQ™ fully automatic 4-band equalization provides adjustment-free equalization every time
- Compact rack-mountable 19" 1U high enclosure features 16 channels with 2 outputs per channel
- Real-time CCTV video at distances up to 3,000ft (1km) when used with any passive NVT transceiver or hub; 1 mile (1,6km) when used with the NV-653T active transmitter
- RJ45 connectivity with optional RJ45-to-screw-terminal adaptors (included)
- Exceptional interference rejection
- Built-in transient protection and ground-lifting
- Automatic compensation for reverse-polarity wiring
- At-a-glance per-channel diagnostics
- Compatible with qualified UTP cameras
- Includes sixteen 2ft (60cm) coax jumper cables, rack mount hardware and two NV-RJ45A adaptors
- Limited lifetime warranty

Employing NVT's latest generation DigitalEQ™ technology, the NV-1672 is an 16-channel active (amplified) hub that allows the transmission of real-time monochrome or colour video for distances up to 1 mile (1,6km) using Category 5 or better unshielded twisted-pair (UTP) cable. The receiver hub continuously and automatically conditions the video signal, compensating for Cat5 UTP (or better) cable attenuation, wiring polarity, 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 cable bundle as telephone, datacom, or low-voltage power circuits. this allows the use of shared or existing Cat5 UTP (or better) 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 Ltd.

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Model NV-1672

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Technical Specifications

VIDEO

Frequency response	DC to 5 MHz
Equalization	0.5 dB typ
Automatic (no adjustment) 0 to 3000ft (0 to 1km) for NTSC or PAL standards	
Automatic polarity detection and control	
Common-mode / Differential-mode rejection	60 dB typ
15 KHz to 5 MHz	
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 NV-1672 has 2 outputs per channel

CABLE TYPE

Unshielded Twisted Pair	0 to 3,000ft 24-16 AWG (0,5-1,31mm)
Category Type	5 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)
Shielded Twisted Pair	0 to 1,000ft (0 to 300m)
	24-16 AWG (0,5-1,31mm)
Impedance	100 ± 20 ohms
DC Loop Resistance	52 ohms per 1,000ft (18 ohms per 100m)
Differential Capacitance	35 pF/ft max (115 pF/m max)

LEDs

Power On:	Blue LED
Per-channel status:	Off = no signal detected
	Green = valid video signal
	Amber = marginal signal detected
	Red = faulty signal detected

POWER

IEC380 power inlet	115 / 230V 50 / 60 Hz 160 mA
	37 Watts 125 BTU / hour
Power inlet Protection	IEC with molded power cord (included)
	5x20mm type T fuse 160mA 250V

ENVIRONMENTAL

Ambient temperature	+32 to +122 °F (0 to +50 °C)
Minimum airflow	4 ft ³ /min (0,1 m 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, 8.125in deep
	43cm wide, 4,5cm high, 20cm deep
Weight	5.5lb (2,5kg)

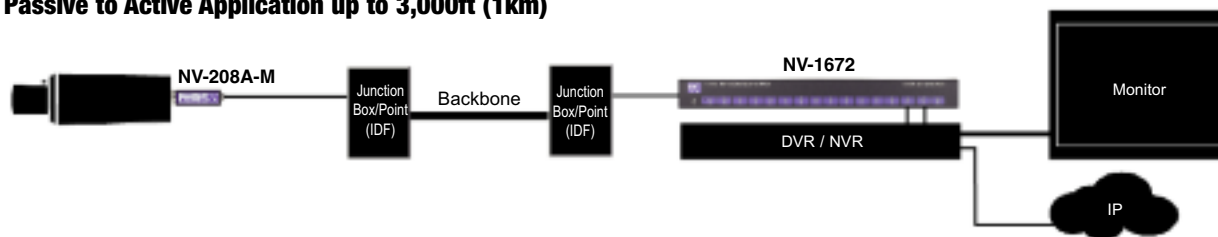
ACCESSORIES (Included)

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

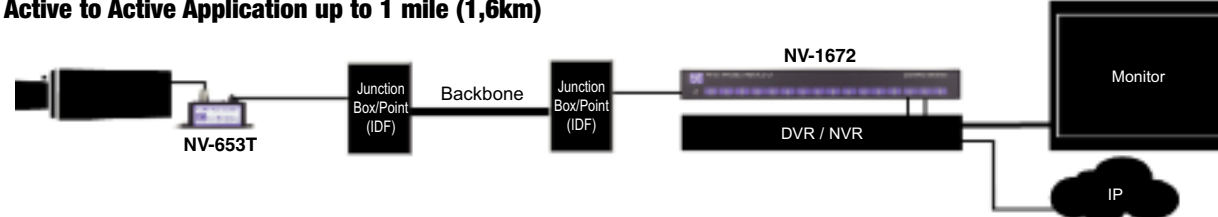
Specifications subject to change without notice.

Typical Applications

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



Active to Active Application up to 1 mile (1,6km)



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