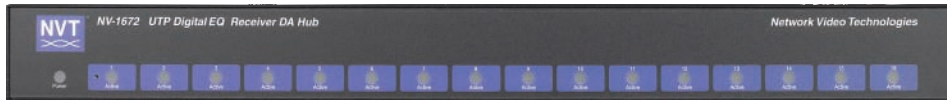




## Model NV-1672 16-Channel DigitalEQ™ Active Receiver Distribution Amplifier Hub



Front



Rear



RJ45A 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
- Full motion 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; 1,000ft (300m) with shielded twisted-pair when used with any passive NVT transceiver or hub
- RJ45 connectivity with optional NV-RJ45A 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 four 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 full-motion monochrome or color video for distances up to 1 mile (1,6km) using Category 2 or better unshielded twisted-pair (UTP) wire. The receiver hub continuously and automatically conditions the video signal, compensating for 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 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.

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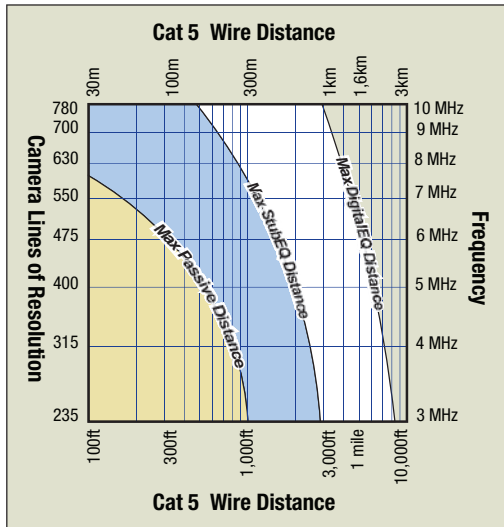


# Model NV-1672

## 16-Channel DigitalEQ™ Active Receiver Distribution Amplifier Hub

### Technical Specifications

#### RECOMMENDED WIRE DISTANCE



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 IEC with molded power cord (included)  
 Protection 5x20mm type T fuse 160mA 250V

#### ENVIRONMENTAL

Ambient temperature +32 to +122 °F (0 to +50 °C)  
 Minimum airflow 4 ft<sup>3</sup>/min (0,1m<sup>3</sup>/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  
 Packaged weight 5.5lbs (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.

#### VIDEO

Frequency response DC to 10 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 75 ohms  
 Coax, female BNC  
 UTP, Screw terminal block or RJ45 100 ohms



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

Outputs: female BNC NV-1672 has 2 outputs per channel

#### WIRE TYPE

Unshielded Twisted Pair 0 to 3,000ft 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)

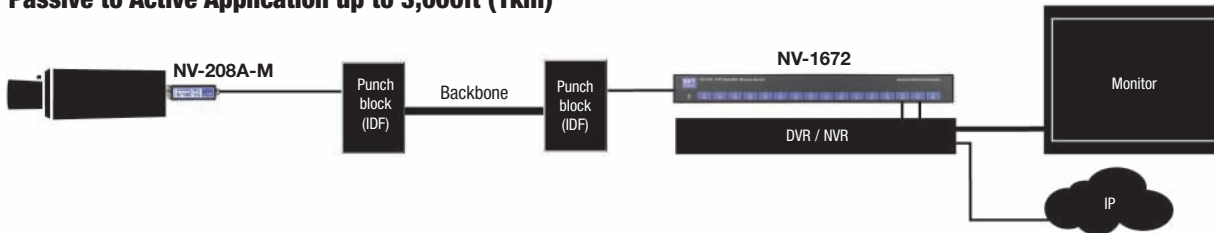
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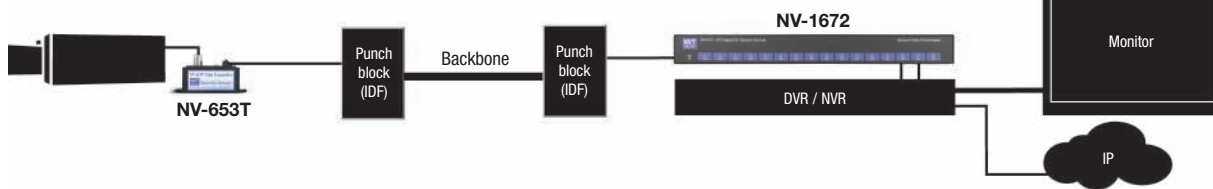


## Typical Applications

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



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



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