



Model NV-872 8-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 8 channels with 4 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 eight 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-872 is an 8-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.

Network Video Technologies

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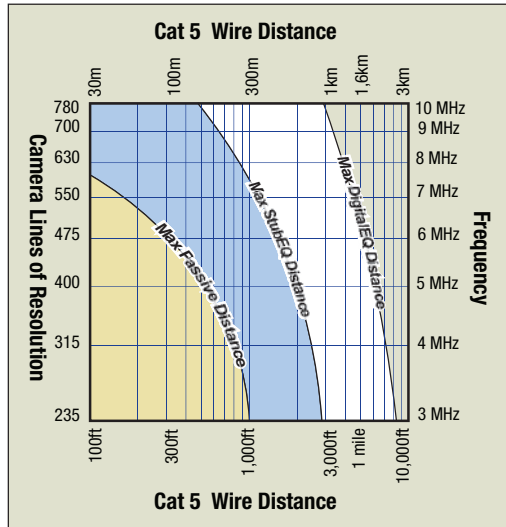


Model NV-872

8-Channel DigitalEQ™ Active Receiver Distribution Amplifier Hub

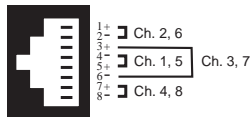
Technical Specifications

VIDEO DISTANCE RECOMMENDATIONS



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 Impedance
 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



Outputs: female BNC NV-872 has 4 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)

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 ft³/min (0,1m³/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 4.8lbs (2,2kg)

ACCESSORIES (Included)

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

Specifications subject to change without notice.

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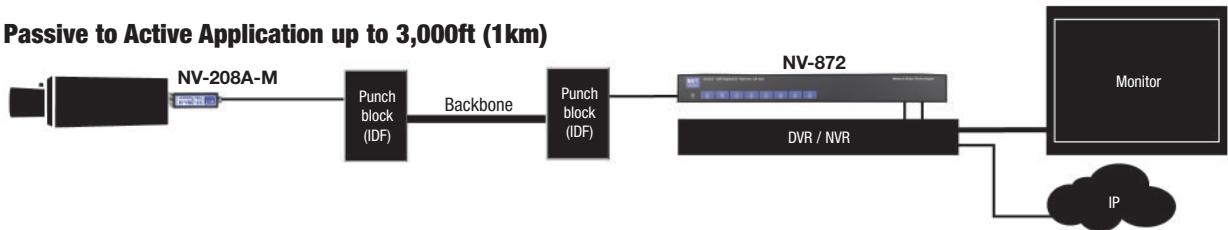
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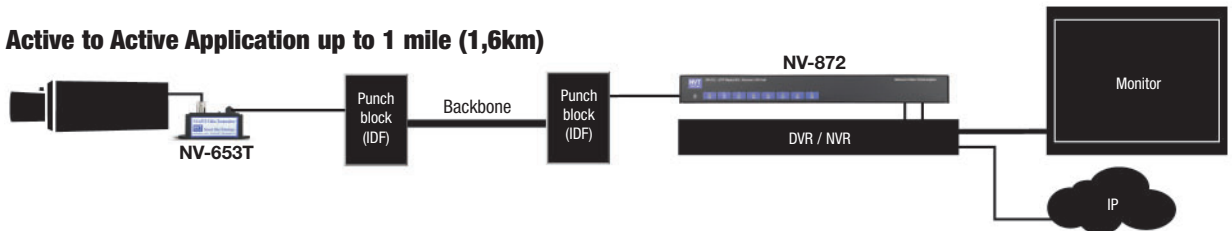
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Typical Applications

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



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



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