



## Model NV-3272

### 32-Channel Active Receiver 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 32 channels with 1 output 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 thirty-two 2ft (60cm) coax jumper cables, rack mount hardware and eight NV-RJ45A adaptors
- Limited lifetime warranty

Employing NVT's latest generation DigitalEQ™ technology, the NV-3272 is an 32-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

4005 Bohannon Drive • Menlo Park, CA 94025 • USA  
(+1) 650.462.8100 • FAX (+1) 650.326.1940  
nvt.com • [www.nvt.com/email](http://www.nvt.com/email)

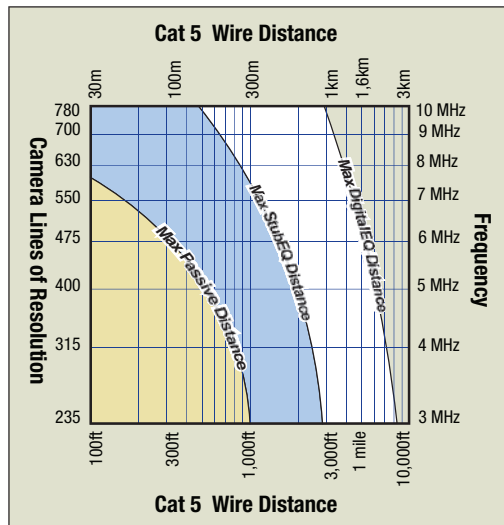


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#### Technical Specifications

##### VIDEO DISTANCE RECOMMENDATIONS



##### VIDEO

|   |              |
|---|--------------|
| Frequency response  | DC to 10 MHz |
| Equalization  | 0.5 dB typ   |
| Automatic (no adjustment) 0 to 3000ft (0 to 1km)<br>for NTSC or PAL standards |              |
| Automatic polarity detection and control                                      |              |
| 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     |



- Ch. 2, 6, 10, 14, 18, 22, 26, or 30
- Ch. 1, 5, 9, 13, 17, 21, 25, or 29
- Ch. 3, 7, 11, 15, 19, 23, 27, or 31
- Ch. 4, 8, 12, 16, 20, 24, 28, or 32

##### WIRE TYPE

|                          |  |
|--------------------------|--|
| Unshielded Twisted Pair  | 0 to 3,000ft 24-16 AWG (0,5-1,31mm)    |
| Category Type            | 2 or better                            |
| Impedance                | 100 $\pm$ 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)                 |

##### 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 315mA           |
|                    | 75 Watts 250 BTU / hour               |
| Power inlet        | IEC with molded power cord (included) |
| Protection         | 5x20mm type T fuse 315mA 250V         |

##### ENVIRONMENTAL

|                           |   |
|---------------------------|---|
| 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    |
| Product Weight                                | 8.0lbs (3,6kg)                      |
| Packaged Weight                               | 12.34lbs (5,6kg)                    |

##### ACCESSORIES (Included)

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

Specifications subject to change without notice.

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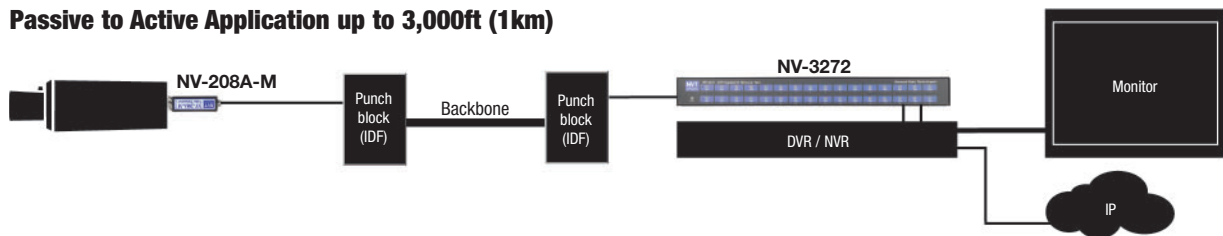


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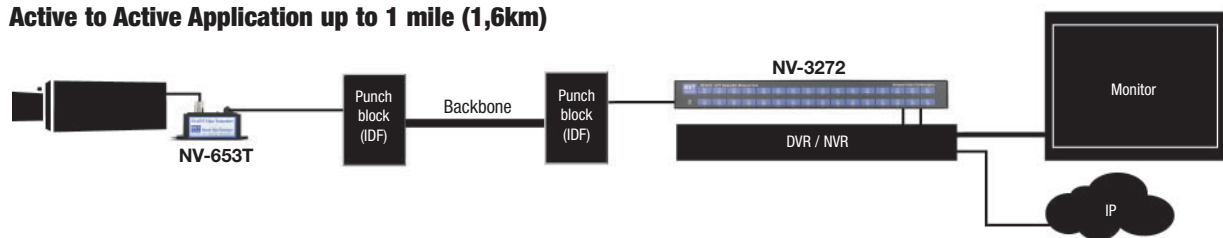
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#### Typical Applications

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



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



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