



Model NV-452R 4-Channel Video Receiver



Features:

- Four active receiver channels in one product
- Full-motion CCTV video at distances up to 3,000ft (1km) when used with any passive NVT transceiver; 1 mile (1,6km) when used with NV-653T transmitter
- RJ45 or pluggable screw terminal connectivity
- Exceptional interference rejection
- Built-in transient protection and ground lifting
- Built-in brightness and sharpness controls; blue power LED, green active LED
- Compatible with qualified UTP cameras
- Best choice for DVR and high resolution applications over 750ft (225m)
- Two NV-452Rs may be rack mounted using the NV-RM8/10 Rack Panel Kit
- Limited lifetime warranty

The NVT Model NV-452R 4-channel Video Receiver is an active (amplified) device that allows the transmission of real-time monochrome or color video on up to 1 mile (1,6km) using Category Unshielded Twisted-Pair (UTP) telephone wire. The NV-452R provides signal conditioning in the form of ground lifting, distance EQ and transient protection.

The unparalleled interference rejection and low emissions of the Model NV-452R allow long run video signals 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 spike problems are eliminated. The built-in sharpness and brightness controls compensate for cable loss.

Network Video Technologies

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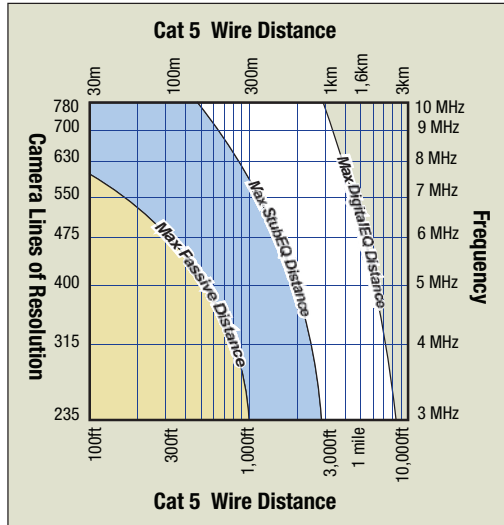


Model NV-452R

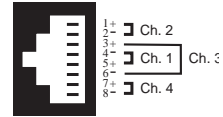
4-Channel Video Receiver

Technical Specifications

VIDEO DISTANCE RECOMMENDATIONS



24-16 AWG (0,5-1,31mm)
 Category Type
 2 or better
 Impedance
 100 ± 20 ohms
 DC Loop Resistance
 Differential Capacitance



52 ohms per 1,000ft
 (18 ohms per 100m)
 19 pF/ft max
 (62 pF/m max)

CONNECTORS

Use either terminal or RJ45 (not both)

POWER

24VAC / DC (transformer not included) 250 mA max
 One floating power supply may power multiple NV-452R receivers

ENVIRONMENTAL

Ambient temperature +32 to +122 °F (0 to +50 °C)
 Humidity (non-condensing) 0 to 95%
 Transient Immunity per ANSI / IEEE 587 C62.41

MECHANICAL

Dimensions, excluding brackets and connectors
 7.3 x 2.35 x 1.65in (184 x 60 x 41mm)
 Packaged weight 0.7lbs (0,32kg)
 Material Black ABS
 Mounting Two 0.175 in (4,4mm) diameter holes
 6.75in (171,5mm) apart
 Two NV-452Rs can be mounted to an NV-RM 8/10 Rackmount Panel

Specifications subject to change without notice.

VIDEO

Frequency Response DC to 10 MHz
 Adjustable Brightness and Sharpness Controls
 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

LED INDICATORS

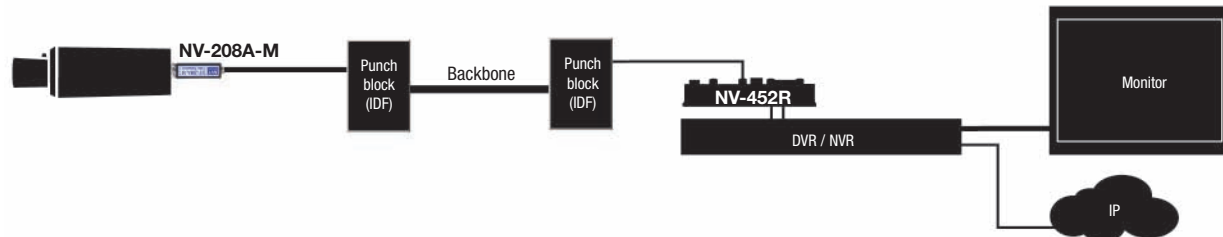
Blue "Power-On"; Green "Active" signal present

WIRE TYPE

Network Wiring One Unshielded Twisted Pair
 (for each video signal)

Typical Application

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



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