



Quality video over ordinary telephone wire...®

Model NV-452R 4-Channel Video Receiver



Features:

- ▶ **Four active receiver channels in one product**
- ▶ **Full-motion CCTV video at distances up to 1 km (3,000ft) when used with any passive NVT transceiver**
 - ▶ **1,6km (5,280ft/1 mile) when used with NV-653T transmitter**
- ▶ **Built-in transient protection & ground lifting**
- ▶ **Built-in brightness & sharpness controls; blue power LED, green active LED**
- ▶ **Compatible with qualified UTP cameras**
- ▶ **Two NV-452Rs may be rack mounted using the NV-RM8/10 Rack Panel Kit**
- ▶ **Limited lifetime warranty**
- ▶ **Best choice for DVR and high resolution applications over 225m (750ft)**

The NVT Model NV-452R 4-Channel Video Receiver is an active (amplified) device that allows the transmission of real-time monochrome or colour video on up to 1,6km (one mile) using Category Unshielded Twisted-Pair (UTP) telephone wire.

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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Technical Specifications

Video

Frequency response	DC to 5 MHz
Adjustable Brightness & Sharpness Controls	
Common-mode / Differential-mode rejection	
15 KHz to 5 MHz	60 dB typ
Impedance	
Coax, female BNC	75 ohms
UTP, Screw Terminal Block or RJ-45	100 ohms

LED Indicators

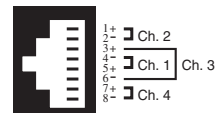
Blue "Power-On"; Green "Active" signal present

Wire Type

Network Wiring	One Unshielded Twisted Pair (for each video signal) 0,5-1,31mm (24 - 16 AWG)
Category Type	2 or better
Impedance	100 ± 20 ohms
DC Loop Resistance (24AWG)	18 ohms per 100 m (52 ohms per 1,000 ft)
Differential Capacitance	62 pF/m max (19 pF/ft max)

Connectors

Use either terminal block or RJ-45
(not both)



Power

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

Environmental

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

Mechanical

Dimensions, including connectors	184 x 60 x 41mm (7.3 x 2.35 x 1.65in)
Weight	0.32kg (0.7lb)
Material	Black ABS
Mounting	4,4mm (Two 0.175in) diameter holes 171,5mm (6.75in) apart

Two NV-452Rs can be mounted
to an NV-RM 8/10 Rackmount Panel

Specifications subject to change without notice.

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