



Model NV-8PS42-PVD

8-Channel Power Supply StubEQ™ Active Receiver Hub



Front



Rear

Features:

- Provides Class 2 SELV 28 VAC with up to 1 Amp/channel while receiving video transmission and delivering P/T/Z telemetry, all over a single 4-pair Cat5 cable for each camera
- Built-in distribution amplifier with 2 video outputs per channel
- Full motion CCTV video at distances up to 1,500ft (460m) when used with any passive NVT transceiver
- Adaptive StubEQ™ fully automatic 2-band equalization provides adjustment free equalization every time, no manual adjustments required
- Automatic-reset fault protection; transient protection
- Individually floating power outputs and differential video inputs ensure total ground-loop immunity
- Diagnostic LEDs show load/no load, miswires, overload conditions, and video status
- Limited lifetime warranty

The 8-channel NV-8PS42-PVD is a key hybrid component that consolidates all CCTV system cabling using standard EIA/TIA 568B structured building wiring. Designed for installation in the IDF/Telecom Closet or MDF/Equipment Room, Power Supply StubEQ™ Active Receiver Hubs have individual floating 28VAC outputs that support at-distance camera loads up to 1 Amp per channel for cable runs up to 1,500ft (460m). A built-in StubEQ™ video receiver hub ensures a zero loss video signal for connection into a DVR or IP encoder. Standard features include: per channel automatic-reset fault protection, transient protection, ground loop free individually floating outputs, and power and video diagnostics. All NVT products are UL and cUL listed, are compliant with CE, RoHS, WEEE, and come with NVT's lifetime warranty.

Network Video Technologies

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Technical Specifications

RECOMMENDED WIRE DISTANCE

Supply voltage, wire resistance and minimum camera operating voltage determine the maximum camera distance.

Notes: Wire should be Cat5 or better/ low voltage camera power, video and RS-422 or RS-485 data may reside within the same wire bundle, however do not run 28VAC within the same wire bundle as analog telecom signals.

Fixed 24VAC Camera	NV-216A-PV
Power Supply Voltage	28 VAC
Minimum Voltage at Camera	21 VAC
B&W Camera 100 mA, 2.4 W	
2-pair 24 AWG	1,500ft (460m)
2-pair 23 AWG	1,500ft (460m)
Color Camera 200 mA, 4.8 W	
2-pair 24 AWG	915ft (275m)
2-pair 23 AWG	1,150ft (350m)
Color Camera 300 mA, 7.2 W	
2-pair 24 AWG	610ft (185m)
2-pair 23 AWG	770ft (235m)

Fixed 12/24V Camera	NV-216A-PV
Power Supply Voltage	28 VAC
Minimum Voltage at Camera	14 VAC
B&W Camera 100 mA, 2.4 W	
2-pair 24 AWG	1,500ft (460m)
2-pair 23 AWG	1,500ft (460m)
Color Camera 200 mA, 4.8 W	
2-pair 24 AWG	1,220ft (370m)
2-pair 23 AWG	1,500ft (460m)
Color Camera 300 mA, 4.8 W	
2-pair 24 AWG	815ft (250m)
2-pair 23 AWG	1,025ft (310m)

P/T/Z 24VAC Camera	NV-218A-PVD
Power Supply Voltage	28 VAC
Minimum Voltage at Camera	21 VAC
P/T/Z Camera 1,000 mA, 21 W	
2-pair 24 AWG	210ft (64m)
2-pair 23 AWG	265ft (81m)

Fixed 12VDC Camera	NV-226J-PV
Power Supply Voltage	28 VAC
Minimum Voltage at Camera	11.5 VDC
B&W Camera 200 mA, 2.4 W	
2-pair 24 AWG	1,500ft (460m)
2-pair 23 AWG	1,500ft (460m)
Color Camera 400 mA, 4.8 W	
2-pair 24 AWG	1,110ft (335m)
2-pair 23 AWG	1,400ft (425m)

VIDEO

Frequency response DC to 10 MHz
 Attenuation 0.5 dB typ
 Common-mode / Differential-mode rejection 15 KHz to 5 MHz 60 dB typ
 Impedance
 Coax, female BNC 75 ohms
 UTP, RJ45 100 ohms
 Network Wiring One four-pair Category cable

CAMERA POWER

Each camera is powered by a fully isolated (floating) 28 VAC Class 2 SELV output at up to 1 Amp. Each output is individually thermistor protected for auto-reset.

POWER

Power inlet IEC with molded power cord (included)
 Voltage 115 / 230V
 Current 2.5 / 1.25 Amps
 Protection 5x20mm type T fuse 5 Amp 250V
 Wattage 250 Watts
 Heat (NV-8PS42-PVD only) 250 BTU / Hour
 (NV-8PS42-PVD with cameras) 1,000 BTU / Hour

ENVIRONMENTAL

Ambient Temperature -4 to +122 °F (-20 to +50 °C)
 Minimum airflow 4ft³/min (0,1m³/min)
 Humidity (non-condensing) 0 to 95%
 Transient Immunity per ANSI / 587 C62.41

MECHANICAL

Dimensions, including connectors
 19in wide, 1.7in high, 8in deep
 43cm wide, 4,5cm high, 20cm deep
 Product Weight 13lb (5,90kg)
 Packaged Weight 17lb (7,7kg)

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)

OPTIONAL EQUIPMENT

Mounting NV-RMBK2 Rear Mount Support Kit
 (designed for use with thinner metal equipment racks)
 NV-WMBK2 Wall Mount Bracket Kit (heavy duty)

REGULATORY



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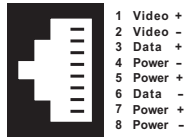


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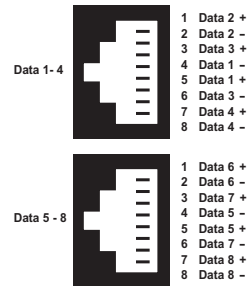
CAMERA PVD CONNECTIONS

Eight front-panel RJ45 outputs support up to eight fixed or P/T/Z telemetry cameras over 4-pair UTP Category cable.



CONTROL ROOM DATA

RS-422 or RS-485 type P/T/Z telemetry / data signals are passed through the unit and delivered to the control room via a rear-panel RJ45 connector.



Specifications subject to change without notice.

Typical Application

