



Model NV-32PS42-PVD

32-Channel Power Supply StubEQ™ Active Receiver Hub



Front



Rear

Features:

- Provides Class 2 SELV 28 VAC with up to 0.5 Amp/channel while receiving video transmission and delivering P/T/Z telemetry, all over a single 4-pair Cat5 cable for each camera
- Features 32-Channels with one video output 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 32-channel NV-32PS42-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 0.5 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: automatic-reset fault protection, transient protection, ground loop free individually floating outputs and per-channel 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

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



Model NV-32PS42-PVD

32-Channel Power Supply StubEQ™ Active Receiver Hub

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)

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 0.5 Amps. Each output is individually thermistor protected for auto-reset.

POWER

Power inlet	IEC with molded power cord (included)
Voltage	115 / 230V
Current	5.0 / 2.5 Amps
Protection	5x20mm type T fuse 5 Amp 250V
Wattage	500 Watts
Heat	(NV-32PS42-PVD only) 325 BTU / Hour
	(NV-32PS42-PVD with cameras) 2,000 BTU / Hour

ENVIRONMENTAL

Ambient Temperature	-4 to +122 °F (-20 to +50 °C)
Minimum airflow	4ft ³ /min (0,1m ³ / min)
Humidity (non-condensing)	0 to 95%
Transient Immunity	per ANSI / 587 C62.41

MECHANICAL

Dimensions, including connectors	19in wide, 1.73in high, 12in deep
	43cm wide, 4,5cm high, 30cm deep
Product Weight	24.1lb (10,93kg)
Packaged Weight	40lb (18,14kg)

ACCESSORIES (included)

Mounting	Rack mount "L" brackets for front, rear, or wall installations; rubber feet for desk applications
Cables	Thirty-two 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



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/info

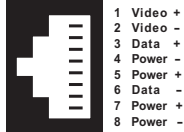


Model NV-32PS42-PVD

32-Channel Power Supply StubEQ™ Active Receiver Hub

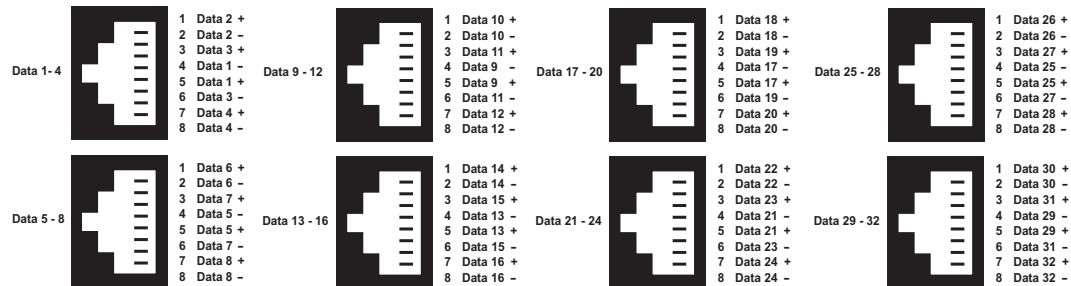
CAMERA PVD CONNECTIONS

Thirty-two front-panel RJ45 outputs support up to thirty-two 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.

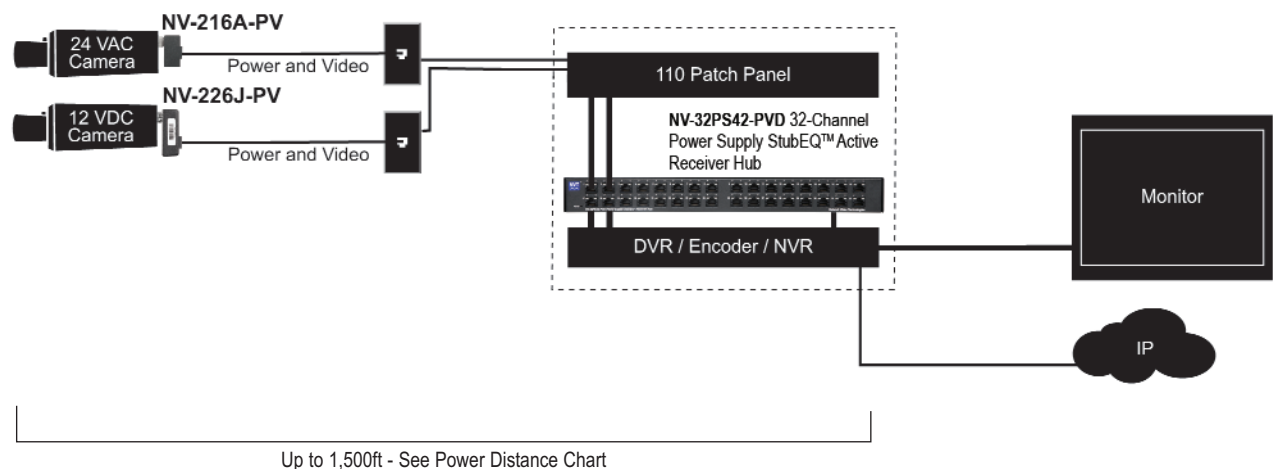


Specifications subject to change without notice.

Typical Application

Camera Location and Transmitter Connections

IDF / Telecoms Room or MDF / Control Room Receiver Connections



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/info

Copyright © 2010 NVT, Inc.
 411-4200-1-A