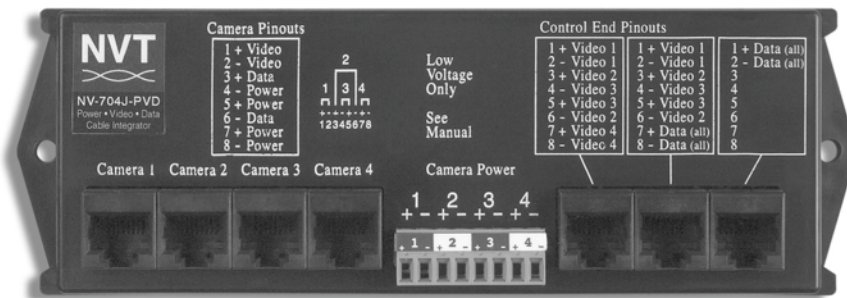




Model NV-704J-PVD Cable Integrator



Features:

- ▶ **Connectivity for up to four cameras, each via a single RJ-45 4-pair cable**
- ▶ **Use with the NV-218A-PVD power-video-data transceiver at the camera**
- ▶ **Uses any third-party power supply to power cameras via UTP over significant distances (see Power Distance Chart)**
- ▶ **Cable-management solution from the camera to the Wiring Closet and on to the Control Room**
- ▶ **Wall-mountable; rack-mountable using the NV-RM8/10 panel**

Typically installed in the Wiring Closet or IDF room, the NV-704J-PVD is a passive “pass-through” wiring device that efficiently consolidates camera power, video, and pan/tilt/zoom data onto a minimum of 4-pair RJ-45 cables.

Power, video and data are converted at the camera using the NV-218A-PVD transceiver which utilises a single 4-pair cable with RJ-45 connectors to deliver each camera’s signals to the NV-704J-PVD. Up to four cameras are supported. The NV-704J-PVD receives low-voltage camera power from any third-party Class 2 power supply. Control Room connections are achieved with a single 4-pair RJ-45 cable (Exception: Two cables are required when all four cameras are in use and one or more require data.) Control Room connections may be made using the NV-413A, NV-452R, NV-862J, NV-1662J, or NV-3262J. All equipment employs industry-standard EIA/TIA 568B pinouts.

Network Video Technologies Ltd

NVT House, 99 Waldegrave Road, Teddington, Middlesex TW11 8LA
Tel: +44 (0) 208 977 6614 • Fax: +44 (0) 208 973 1855 • uksales@nvt.com • www.nvt.com



Model NV-704J-PVD Cable Integrator Technical Specifications

Video

UTP, RJ-45 Connectors 100 ohms

Environmental

Temperature -20 to +75°C
Humidity (non-condensing) 0 to 95%

Power

16 to 24AWG (0.5mm to 1.3mm)

Mechanical

Dimensions, Including connectors
7.3 x 2.35 x 1.65in (184 x 60 x 41mm)

Powering Your Camera Using UTP and NVT

| Power Supply Voltage | 24 VAC | 28 VAC | 12 VDC |
|------------------------------|--------|--------|----------|
| Resultant Camera Voltage | 21 VAC | 21 VAC | 11.5 VDC |
| 100 mA B&W Camera | | | |
| 24 AWG (0.5 mm) | 300 m | 760 m | 50 m |
| 22 AWG (0.6 mm) | 460 m | 1200 m | 90 m |
| 300 mA Color Camera | | | |
| 24 AWG (0.5 mm) | 107 m | 260 m | 15 m |
| 22 AWG (0.6 mm) | 180 m | 425 m | 30 m |
| 1 Amp P/T/Z Camera | | | |
| 24 AWG (0.5 mm) | 30 m | 75 m | 4 m |
| 22 AWG (0.6 mm) | 45 m | 120 m | 9 m |

Weight 0.6lb (0.32kg)
Material Black ABS
Mounting Two 0.175in (4,4mm) diameter holes
6.75in (171,5mm) apart

*Two NV-704J-PVDs can be mounted
to an NV-RM 8/10 Rackmount Panel*

Notes: Wire should be Category UTP cable. Low-voltage camera power, Video, and RS-422 or RS-485 may be sent within the same wire bundle. Do not run 24 VAC or 28 VAC in the same wire bundle with other telecom or datacom signals.

Specifications subject to change without notice.

Control

UTP, RJ-45 Connectors 100 ohms

RJ-45 Camera Pinouts & UTP Colour Code



- | | |
|-----------|--------------|
| 1 + Video | White/Orange |
| 2 - Video | Orange/White |
| 3 + Data | White/Green |
| 4 - Power | Blue/White |
| 5 + Power | White/Blue |
| 6 - Data | Green/White |
| 7 + Power | White/Brown |
| 8 - Power | Brown/White |

Network Video Technologies Ltd

NVT House, 99 Waldegrave Road, Teddington, Middlesex TW11 8LA
Tel: +44 (0) 208 977 6614 • Fax: +44 (0) 208 973 1855 • uksales@nvt.com • www.nvt.com

Copyright © 2005 NVT, Inc.

411-704-6-A