

Single Video Balun Transceiver with Power/Data

- RJ45, Power Male-Female Connector and Mini Cable

Product Manual



PV-w/Power Female Connector



PV-w/Power Male Connector



PVD-w/Power Female Connector



PVD-w/Power Male Connector

RJ45	Camera Pinouts and UTP Color Code
1	+ Power White/Orange
2	- Power Orange/White
3	+ Power White/Green
4	+ Power Blue/White
5	- Power White/Blue
6	- Power Green/White
7	- Video White/Brown
8	+ Video Brown/White

RJ45 for Power Video Pin outs

RJ45	Camera Pinouts and UTP Color Code
1	+ Power White/Orange
2	- Power Orange/White
3	+ Power White/Green
4	+ Data Blue/White
5	- Data White/Blue
6	- Power Green/White
7	- Video White/Brown
8	+ Video Brown/White

RJ45 for Power Video Data Pin outs

Features:

- Power-Video-Data/PVD or Power-Video/PV signals are routed via UTP/RJ45 jack for organized pass-through of inputs/outputs
- Mini-coax pigtail supports in-camera mounting in most dome cameras
- Compatible with multiport PVD/PV cable Hub/Integrators and PVD/PV Hub Power Supply Hubs
- Up to 1500 - 3,000ft (460m-1km) video distance with an adaptive receiving Hub or active receiver
- Up to 100- 1000ft (30-300m) video/power/data distance with single PVD/PV transceiver, and with multiport PVD/PV cable Hub/Integrators and PVD/PV Hub Power Supply Hubs
- Exceptional interference rejection
- Built-in transient protection
- Limited lifetime warranty

Description:

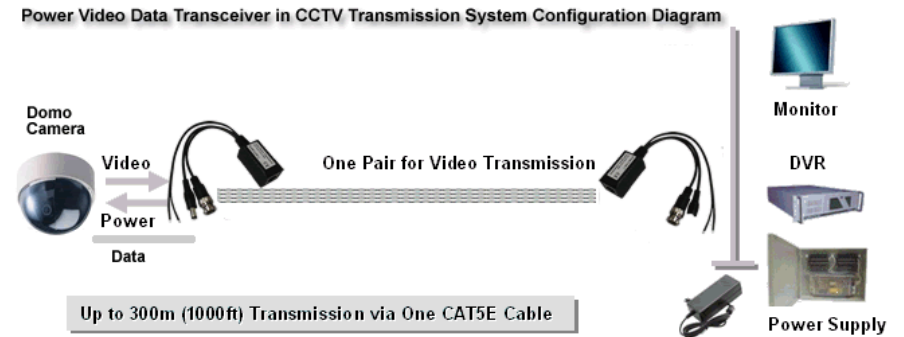
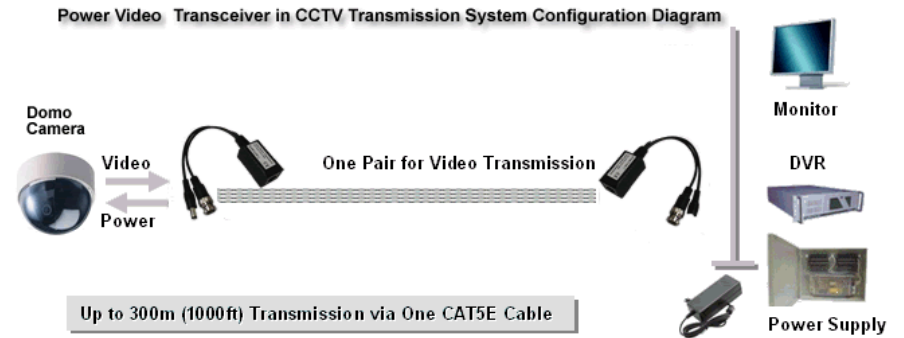
The Video Transceiver with Power/Data (PVD) / Video Transceiver with Power (PV) is passive (non-amplified) device that allows the transmission of real-time monochrome or color video over Unshielded Twisted-Pair (UTP) telephone wire. Baseband

(composite) signals of any type are supported.

This new product incorporates the transceiver engine of single video Balun transceiver with the added value of Power and Data connections to and from the camera. Power, Video and Data are routed via UTP and RJ45 inputs/outputs. Used at the camera, the passive PVD/PV transceiver has a mini-coax pigtail lead for direct video output connection from the camera. Align this coax lead are two min power cable with female/male connector and mini data cable (PVD model), and one mini power cable with female/male connectors (PV model) for quick pass through cables for your camera's Power and Data signal connection. On the input or output side of the product you can use more efficient and compact RJ45 jack for UTP cable connection.

The unparallelled interference rejection and low emissions of the PVD/PV transceiver allow video signals to co-exist in the same wire bundle as telephone, datacom, or low-voltage power circuits. This allows the use of a shared or existing cable plant. The PVD/PV transceiver carries a limited lifetime warranty.

Single PVD/PV Transceiver System Configuration Diagram



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 24 or 28VAC within the same wire bundle as other telecom or data com signals.

Control: UTP, RJ45 Connectors 100 ohms

Video: UTP, RJ45 Connectors 100 ohms

Environmental temperature: -20°C to +65°C.

Humidity: (non-condensing) 0 to 95%.

Transient Immunity: Per ANSI/IEEE 587 C62.41

Mechanical:

Dimensions LxWxH: 45x25x23mm with 120mm video data and power female/male mini cable

Material: Metal case.