



Product Data Sheet

GEC-4VDPC

Multi-Channel UTP Video-Power-Data Combiners

Overview

Combining video, PTZ data and camera power over a single 4-pair UTP cable, the Multi-Channel Video-Power-Data (VPD) Combiner simplifies CCTV installations in a structured wiring environment. Supporting 4, 8 or 16 cameras for up to 3,000 feet (915 m), these units are designed to be installed at the intermediate location between the cameras and the control room.

The camera power output of powered models, in addition to an auto-reset fuse, is equipped with a 2A glass fuse accessible from the front panel for extra protection. The GEC-8VPDCHUB and GEC-16VPDCHUB feature built-in 8- and 16-channel repeatedly fully isolated VAC power supply.

At the camera end, a GE Security video balun/combiner provides video, power and data on separate outputs. The video signals are connected through 4-pair RJ-45 and category-5 cables to passive or active UTP receivers at the control room. The data connections to the DVR are through 4-pair RJ-45 cables, providing a separate data connection for each camera.



Standard Features

- Up to 3,000 feet (915 m) transmission range
- NTSC, PAL and SECAM compatibility for optimum flexibility
- Compact size and no power required for video means quick and easy installation
- 60dB crosstalk and noise immunity for bundling with data, audio and other low voltage signals
- Surge protection protects connected video equipment
- 1U high wall or rack mountable requires less CCTV rack space

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Specifications

Video

- Channel: 4
- Conditioning: 0.7 to 1.4 V p-p video accepted
- Frequency: 20 to 10 MHz
- Format: PAL, SECAM, NTSC
- Twisted Pair: 100 Ohms +/- 20%, 24 AWG minimum, unshielded Category 2-7
- Surge Protection: built-in
- Maximum Distance: 3,000 feet (915 m)

Power

- Input voltage: 24-28 VAC (pass-through)
- Output Voltage: 1 A maximum per camera, 12 A maximum aggregated
- Design: Passive
- Power Indicator: Per camera

Connectors

- Video Connector: RJ45
- UTP Connector: RJ45

Miscellaneous

- Operating Temperature: -10°C to +50°C
- Storage Temperature: -30°C to +70°C
- Relative humidity: 0 to 95%, non-condensing
- Dimensions (W x H x D): 126 x 42 x 45 mm
- Dimensions (W): With front or rear mount brackets 172 mm
- Weight: 198 gr
- Material: Extruded Aluminum
- Mounting Brackets: Included

Diagram

Ordering Information

GEC-4VDPC

4-CH Passive Video / Power /Data Combiner, 4 CH over 2 CAT-5 cable Hub, w/ Surge Protection & GL isolation, 1U, 60dB CTaNI, Power indicator LEDs per camera

