



Product Data Sheet

GEC-16VPDCHUB

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

- Channels: 16
- Video Present: One green LED per channel
- Conditioning: 0.7 to 1.4 V p-p video accepted
- Frequency: DC 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: 750 feet (228 m)

Power

- Input voltage: 110 VAC or 220 VAC
- Output Voltage: 24/28 VAC @ 1 A per channel, 12A aggregated
- Design: Active
- Power Indicator: Red LED per channel

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): 430 x 42 x 305 mm
- Weight: 9.98 kg
- Material: Extruded Aluminum and steel sheet metal

Diagram

Ordering Information

GEC-16VPDCHUB

16-CH Passive Video / Power /Data Combiner, 16CH over 4 CAT-5 cable Hub, w/ Surge Protection & GL isolation, 1U, 60dB CTaNI, built in 24/28 VAC, 12A PSU, 1 A max per channel, Power indicator LEDs per camera

