



## Product Data Sheet

# GEC-4VARHUB-4

## Multi-Channel UTP Active Receiver Hubs

### Overview

Featuring UTC FS' Automatic Video Compression (AVC) technology, these active receiver hubs incorporate a sophisticated microprocessor-controlled analog circuit. With this innovative technology, these units can continuously analyze incoming video signals and compensate for cable attenuation independent of video signal content.

The active receiver hubs provide high-resolution color or black and white video over unshielded twisted pair wires at distances up to 6,000 feet (1830 m). In addition, the UTP connection is supported by a standard detachable terminal block or EIA/TIA 568B compliant RJ-45 adapter (included).



### Standard Features

- Automatic Video Compensation (AVC) technology delivers high quality video without adjustment
- Up to 4,000 feet (1220 m) transmission range
- NTSC, PAL and SECAM compatibility for optimum flexibility
- Video present LED for each channel provides convenient diagnostic help
- Built-in auto-range AC power supply compatible with virtually all AC voltages. Excludes 4 channel model.
- 70dB crosstalk and noise immunity
- Ground loop immunity
- Surge protection protects connected video equipment
- 1U high wall or rack mountable reduces requires less CCTV rack space
- Includes 8, 16 or 32 coax jumper cables to save time and money. Excludes GEC-4VARHUB-4.
- 8 and 16 channel models include x4 and x2 distribution amplifier

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## Multi-Channel UTP Active Receiver Hubs

### Specifications

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#### Video

- Channel: 4
- Video Present: One green LED per channel
- Conditioning: 0.7 to 1.4 V p-p video accepted
- Frequency: 20 to 6 MHz
- Format: PAL, SECAM, NTSC
- Twisted Pair: 100 Ohms +/- 20%, 24 AWG minimum, unshielded Category 2-7
- Coax Impedance: 75 Ohm
- Insertion Loss: 0.3 dB
- CTaNI/CMRR: 70 dB
- Surge Protection: built-in
- Outputs per input: 1

#### Connectors

- Power: Power jack
- Video Connector: BNC
- UTP Connector: Terminal blocks with RJ-45 adaptor option
- Included Jumper Cables: N/A

#### Miscellaneous

- Power Indicator: Red LED
- 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 47 mm
- Dimensions (W): With front or rear mount brackets 172 mm
- Weight: 288 gr
- Material: Extruded Aluminum
- Mounting Brackets: Included
- Power Supply: external, not included
- PSU 1 Amp 12 VDC PSU needed

### Diagram

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### Ordering Information

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#### GEC-4VARHUB-4

4-CH Active Receiver, w/ Surge Protection & GL isolation,  
70dB CTaNI, RJ-45 and Screw Terminal Block, w/ AVC,  
4,000 ft. < 1.220m>

