



# GEC-16VPHUB

## 16-CH Passive HUB, w/ Surge Protection, 1U, Up-the-Coax, RJ-45 and Screw Terminal Block

### Overview

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Carrier FS' Multi-Channel Passive UTP Transceiver HUBs are designed to effectively transport video signals over unshielded twisted pair wires, point-to-point, for distances up to 750 feet (228 m).

For further distances, up to 3,000 feet (915 m), GE Security's active UTP receivers can be used with these units for reliable performance. Compatible with cameras with built-in UTP transmitters, these multi-channel hubs can accommodate multiple applications.

In addition, these units support "up-the-coax" requirements to accommodate video and bi-directional PTZ signals. The UTP connection is supported by the standard detachable terminal block or EIA/TIA 568B compliant RJ-45 adaptors which are included.



### Details

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- Up to 3,000 feet (915 m) transmission range
- NTSC, PAL and SECAM compatibility for optimum flexibility
- Supports "up-the-coax" type signals to carry video and bidirectional PTZ signals
- Compact size and no power required for easy installation
- 60dB crosstalk and noise immunity (CTaNI) for bundling with data, audio and other signals
- Compatible with cameras featuring UTP transmitters for flexible application
- 1U high wall or rack mountable requires less CCTV rack space
- Surge protection protects connected video equipment
- Includes 8, 16 or 32 coax jumper cables to save time and money. Excludes 4 channel model.

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### Technical specifications

#### General

Category	Passive
Product type	Passive transceiver HUB
Transmission range	228 m (passive - passive) / 610 m (passive - active)
Data channel	No
Surge protection	Yes
Rack mountable	Yes
Ground loop isolation	No
Connection type	Terminal blocks with RJ-45 adapter option
Frequency	DC to 10 MHz
Twisted pair	100 Ohms +/- 20%, 24 AWG minimum, unshielded Category 2-7
Insertion loss	0.3 dB
CTaNI CMRR	60 dB

#### Video

Video channels	16
Video connection	BNC Female
Conditioning	0.7 to 1.4 V p-p video accepted
Coax impedance	75 Ohm
Channel:	16
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
Coax Impedance:	75 Ohm
Insertion Loss:	0.3 dB
CTaNI/CMRR:	60 dB
Surge Protection:	built-in

#### Physical

Physical dimensions	457 x 42 x 47 mm
Net weight	788 g
Material	Extruded aluminium

#### Environmental

Operating temperature	-10 to +50°C
Storage temperature	-30 to +70°C
Relative humidity	0 to 95%

#### Connectors

Power:	No power required
Video Connector:	BNC
UTP Connector:	Terminal blocks with RJ-45 adapter option
Included Jumper Cables	8

#### 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):	457 x 42 x 47 mm
Weight:	788 gr
Material:	Extruded Aluminum
Mounting Brackets:	Includes integrated rackmounts