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Part of GE Security

## Overview

Featuring GE Security's 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. In addition, the UTP connection is supported by a standard detachable terminal block or EIA/TIA 568B compliant RJ-45 adapter (included).

## Standard Features (all models)

- Automatic Video Compensation (AVC) technology delivers high quality video without adjustment
- Up to 6,000 feet 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
- 70dB crosstalk and noise immunity for bundling with data, audio and other signals
- Group loop immunity
- Limited lifetime warranty
- Surge protection on select models 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

GEC-4VARHUB-4

# Multi-Channel UTP Active Receiver Hubs

GEC-8VARHUB-4

GEC-16VARHUB-6.5

GEC-8VARHUB-6.5

GEC-32VARHUB-4

GEC-16VARHUB-4

GEC-32VARHUB-6.5

# Specifications

| | |
|---|---|
| Video Format | NTSC, PAL, SECAM |
| Frequency | 20 to 6 MHz |
| Coax | 75 Ohm |
| Twisted Pair | 100 Ohms +/- 20%, 24 AWG minimum, unshielded Category 2-7 |
| CMRR | 70 dB |
| Video Present | One green LED per channel |
| Power Indicator | Red LED |
| UTP Connector | Terminal blocks with RJ-45 adaptor option |
| Video Connector | BNC |
| Humidity | 0 to 95%, non-condensing |
| Operating Temperature | -10ºC to +50ºC |
| Storage Temperature | -30ºC to +70ºC |
| Material | Extruded Aluminum – 4 Channel Aluminum sheet metal – 8, 16 and 32 Channels |

# Multi Channel UTP Active Receiver Hub Comparisons

| GE SKU | GEC-4VARHUB-4 | GEC-8VARHUB-4 | GEC-16VARHUB-4 | GEC-32VARHUB-4 | GEC-8VARHUB-6.5 | GEC-16VARHUB-6.5 | GEC-32VARHUB-6.5 |
|---|---|---|---|---|---|---|---|
| GE Description |  |  |  |  |  |  |  |
| Height | 1.74" (4.2 cm) | 1.74" (4.2 cm) | 1.74" (4.2 cm) | 1.74" (4.2 cm) | 1.74" (4.2 cm) | 1.74" (4.2 cm) | 1.74" (4.2 cm) |
| Width | 4.97" (12.6 cm), 6.77" (17.2 cm) includes integrated rackmounts | 17" (43 cm) | 17" (43 cm) | 17" (43 cm) | 17" (43 cm) | 17" (43 cm) | 17" (43 cm) |
| Depth | 1.77" (4.5 cm) | 8" (203 cm) | 8" (203 cm) | 8" (203 cm) | 8" (203 cm) | 8" (203 cm) | 8" (203 cm) |
| Weight | .31 lb (142 g) | 4.5 lb (2.04 kg) | 4.6 lb (2.09 kg) | 5.6 lb (2.54 kg) | 4.5 lb (2.04 kg) | 4.6 lb (2.09 kg) | 5.6 lb (2.54 kg) |
| Number of Channels | 4 | 8 | 16 | 32 | 8 | 16 | 32 |
| Max. Range w/ Passive TX | 2,000 feet | 2,000 feet | 2,000 feet | 2,000 feet | 3,500 feet | 3,500 feet | 3,500 feet |
| Max. Range w/ Active TX | 4,000 feet | 4,000 feet | 4,000 feet | 4,000 feet | 6,000 feet | 6,000 feet | 6,000 feet |
| Power | 12VDC/24VAC | 80-240VAC | 80-240VAC | 80-240VAC | 80-240VAC | 80-240VAC | 80-240VAC |

**Agency Compliances**
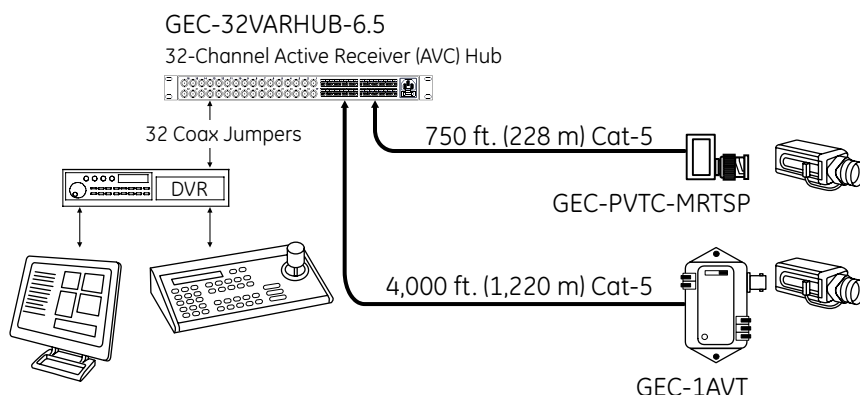• CE
• UL/cUL

CE c(UL)us

# Included Accessories

| | |
|---|---|
| GEC-4VARHUB-4 | Mounting screws |
| GEC-8VARHUB-4 | Mounting brackets for front, rear or wall installations, 8 2-ft. (60 cm) coax jumper cables<br>Moulded IEC 7-ft. (200 cm) power cord, 2 RJ-45 adapters |
| GEC-16VARHUB-4 | Mounting brackets for front, rear or wall installations, 16 2-ft. (60 cm) coax jumper cables<br>Moulded IEC 7-ft. (200 cm) power cord, 4 RJ-45 adapters |
| GEC-32VARHUB-4 | Mounting brackets for front, rear or wall installations, 32 2-ft. (60 cm) coax jumper cables<br>Moulded IEC 7-ft. (200 cm) power cord, 8 RJ-45 adapters |
| GEC-8VARHUB-6.5 | Mounting brackets for front, rear or wall installations, 8 2-ft. (60 cm) coax jumper cables<br>Moulded IEC 7-ft. (200 cm) power cord, 2 RJ-45 adapters |
| GEC-16VARHUB-6.5 | Mounting brackets for front, rear or wall installations, 16 2-ft. (60 cm) coax jumper cables<br>Moulded IEC 7-ft. (200 cm) power cord, 4 RJ-45 adapters |
| GEC-32VARHUB-6.5 | Mounting brackets for front, rear or wall installations, 32 2-ft. (60 cm) coax jumper cables<br>Moulded IEC 7-ft. (200 cm) power cord, 8 RJ-45 adapters |

# Application Diagram

## Single Passive Transceiver and Active Transmitter to Active Hub

GEC-32VARHUB-6.5
32-Channel Active Receiver (AVC) Hub

32 Coax Jumpers

DVR

750 ft. (228 m) Cat-5

GEC-PVTC-MRTSP

4,000 ft. (1,220 m) Cat-5

GEC-1AVT

# Ordering Information

| | |
|---|---|
| GEC-4VARHUB-4 | 4-CH Active Receiver hub w/Automatic Video Compensation (AVC), 4,000 ft. max |
| GEC-8VARHUB-4 | 8-CH Active Receiver hub w/Automatic Video Compensation (AVC), 4,000 ft. max |
| GEC-16VARHUB-4 | 16-CH Active Receiver hub w/Automatic Video Compensation (AVC), 4,000 ft. max |
| GEC-32VARHUB-4 | 32-CH Active Receiver hub w/Automatic Video Compensation (AVC), 4,000 ft. max |
| GEC-8VARHUB-6.5 | 8-CH Active Receiver hub w/Automatic Video Compensation (AVC), 6,000 ft. max |
| GEC-16VARHUB-6.5 | 16-CH Active Receiver hub w/Automatic Video Compensation (AVC), 6,000 ft. max |
| GEC-32VARHUB-6.5 | 32-CH Active Receiver hub w/Automatic Video Compensation (AVC), 6,000 ft. max |
| GEC-RPK | Rack panel kit supports up to three 4-port hubs |

# ifs

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Specifications subject to
change without notice.

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