



Overview

GE's Single-channel Passive UTP Baluns are now IFS. These Single-channel Passive UTP Baluns are designed to deliver quality video transmission up to 750 feet when used in pairs or with any IFS Passive Transceiver Hub. A cost-effective solution for transmitting analog video on unshielded twisted pair vs. coax, these transceivers are available in two versions - standard or with built-in surge protection - both in various configurations. They also support "up-the-coax" PTZ controls providing bi-directional transmission of data signals.

With their exceptionally compact size, no power requirements and availability in multiple configurations, these baluns provide flexible options for various installation applications. For use with Category 2 or better cable, these baluns provide 60db noise immunity to reduce the possibility of crosstalk when used with multi-pair cabling. These products are ideal for CCTV, video conferencing and elevator surveillance.

Need Longer Distance?

- These Single-channel Passive Baluns can be used with any VTP-1AR or VTP-AR4 Series Receivers to increase distance up to 2,000 ft.
- These Single-channel Passive Baluns can be used with any VTP-AR6 Series Receivers to increase distance up to 3,500 ft.

Video Twisted-pair Baluns

Standard Features

Video

- NTSC, PAL and SECAM compatible
- 60dB crosstalk and noise immunity
- Supports "up-the-coax" PTZ control
- Compatible with cameras with built-in UTP transmitters

Design

- Compact size
- Plug-n-play installation
- No power required
- Differential surge protection (select models)

Distance

- Up to 750 feet transmission when used in pairs or with passive transceiver hubs (See overview for configurations allowing longer distances)

Warranty

- Comprehensive Lifetime Warranty

Standard Baluns



GEC-PVTC-M



GEC-1PVTC-F



GEC-PVTC-MC

Baluns with Surge Protection



GEC-PVTC-MRTSP



GEC-PVTC-FCSP



GEC-PVTC-MSP



GEC-PVTC-MCSP

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 F 852-2142-5063

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 F 613-9239-1299

Europe
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Specifications subject to
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Agency Compliances

- CE
- UL/cUL



Ordering Information

| Standard Baluns | |
|------------------------------|--|
| GEC-1PVTC-F | Passive Balun, Female BNC, Screwless terminal |
| GEC-PVTC-M | Passive Balun, Male BNC, Screwless terminal |
| GEC-PVTC-MC | Passive Balun, w/Coax with Male BNC |
| Baluns with Surge Protection | |
| GEC-PVTC-MRTSP | Passive Balun, Right Angle, Male BNC, w/Surge Protection |
| GEC-PVTC-MCSP | Passive Balun, 9" Coax with Male BNC, w/Surge Protection |
| GEC-PVTC-FCSP | Passive Balun, Female BNC, w/Surge Protection |
| GEC-PVTC-MSP | Passive Balun, Male BNC, w/Surge Protection |

Specifications

| Video | |
|--|---|
| Video Format | NTSC, PAL, SECAM |
| Video Input | 1V p-p |
| Frequency | DC to 10 MHz |
| Insertion Loss | 0.3 dB |
| CMRR | 60 dB |
| Cable | |
| Coax | 75 Ohm |
| Twisted Pair | 100 Ohms +/- 20%, 24 AWG minimum, unshielded Category 2-6 |
| Connectors | |
| Video Connector | BNC |
| UTP Connector | Terminal blocks or screwless connectors |
| Electrical & Mechanical | |
| Power | No power required |
| Transient suppression (SP models only) | 6000V |
| Enclosure | ABS plastic, UL rating of 94V-0 |
| Environmental | |
| Operating Temperature | -10°C to +70°C |
| Storage Temperature | -30°C to +70°C |
| Humidity | 0 to 95%, non-condensing |

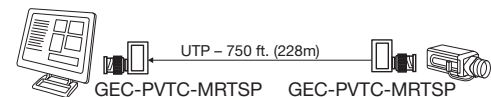
Twisted Pair Video Baluns Comparisons

| Part No. | Standard Baluns | | | Baluns with Surge Protection | | | |
|-------------|-----------------|----------------|-----------------|------------------------------|-----------------|----------------|----------------|
| | GEC-1PVTC-F | GEC-PVTC-M | GEC-PVTC-MC | GEC-PVTC-MRTSP | GEC-PVTC-MCSP | GEC-PVTC-FCSP | GEC-PVTC-MSP |
| Description | | | | | | | |
| Height | .60" (1.5 cm) | .60" (1.5 cm) | .54" (1.4 cm) | .55" (1.4 cm) | .54" (1.4 cm) | .54" (1.4 cm) | .54" (1.4 cm) |
| Width | .63" (1.6 cm) | .63" (1.6 cm) | .54" (1.4 cm) | .94" (2.4 cm) | .54" (1.4 cm) | .54" (1.4 cm) | .54" (1.4 cm) |
| Depth | 1.82" (4.7 cm) | 1.82" (4.7 cm) | 1.85" (4.7 cm)* | 1.26" (3.2 cm) | 1.85" (4.7 cm)* | 1.85" (4.7 cm) | 1.85" (4.7 cm) |
| Weight | .04 lb (18 g) | .04 lb (18 g) | .06 lb (26 g) | .04 lb (18 g) | .06 lb (26 g) | .04 lb (18 g) | .04 lb (18 g) |

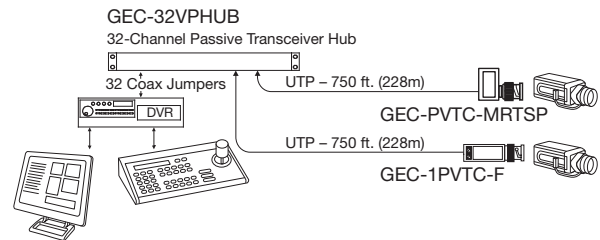
*Measurement excludes 9" coax cable. The total length with cable is approximately 11".

Typical Applications

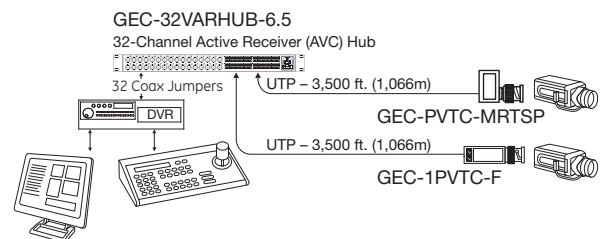
Single Passive Balun to Single Passive Balun



Single Passive Balun to Passive Transceiver Hub



Single Passive Balun to Active Receiver Hub



Security Products by GE are now part of the UTC Fire & Security family



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