



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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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

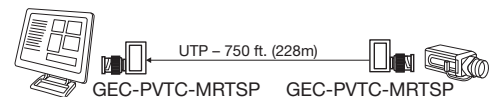
Twisted Pair Video Baluns Comparisons

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)

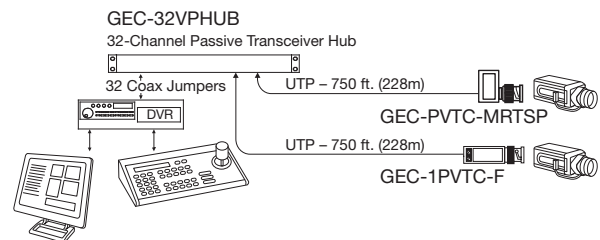
*Measurement excludes 9" coax cable. The total length with cable is approximately 11".

Typical Applications

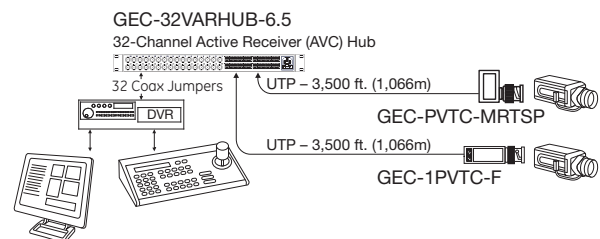
Single Passive Balun to Single Passive Balun



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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A United Technologies Company