



## Product Data Sheet

# GEC-1PVTC-F

## Single-Channel Passive Transceivers

### Overview

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Single-Channel Passive UTP Transceivers from UTC Fire and Security are designed to deliver flexible, long-range functionality. Capable of transporting video signals up to 228 m point-to-point, these transceivers can also transmit up to 1.067m with UTC Fire and Security active receivers. These transceivers are compatible with all major video formats including NTSC, PAL and SECAM, and support “up-the-coax” type signals to carry video and bi-directional PTZ signals. With its compact size and no power required, this transceiver installs easily and the 60dB crosstalk and noise immunity (CTaNI) allows the unit to be used in a bundle with data, audio and other low-voltage signals.



### Standard Features

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- Up to 1.067m 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
- Screw-less connector for quick installation

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## Single-Channel Passive Transceivers

### Specifications

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#### Video

- 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

#### Connectors

- Power: No power required
- Video Connector: BNC
- UTP Connector: Screw-less connector

#### 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): 16 x 15 x 47 mm
- Weight: 18 gr
- Material: ABS plastic, UL rating of 94V-0

### Diagram

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### Ordering Information

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GEC-1PVTC-F

Passive Transceiver, Female BNC, Up-the-Coax, 60dB  
CTaNI

