



Product Data Sheet

GEC-1AVT

Single-Channel Active UTP Transmitter

Single-Channel Active UTP Transmitters

Featuring UTC FS Automatic Video Compensation (AVC) technology, the GEC-1AVR-AVC-4 is a single channel active receiver that delivers exceptional video quality that's easy to install. AVC incorporates a sophisticated microprocessor controlled analog circuit that continuously analyzes incoming video signal and compensates for cable attenuation independent of video signal content. The result is high-resolution video over unshielded twisted pair wires at distances up to 4,000 feet (1,220 m) when used with the GEC-1AVT Active Transmitter. The unit can also be used with any GE Passive Transceivers for distances up to 2,000 feet (610 m). Additionally, the GE GEC-1AVT is an advanced active device that transmits high-resolution video over unshielded twisted pair wires. It uses Category 2-7 UTP wire at distances up to 6,000 feet (1,830 m) and can be paired with any UTC FS long-range active receive



Standard Features

- Automatic Video Compensation (AVC) technology delivers high quality video without adjustment
- Up to 6,000 feet (1,830 m) transmission range
- NTSC, PAL and SECAM compatibility for optimum flexibility
- 70dB CTaNI (crosstalk and noise immunity) for bundling with data, audio and other signals
- Ground loop immunity
- Screwless connectors for quick installation

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Specifications

Video

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- Conditioning: 0.7 to 1.4 V p-p video accepted
- Frequency: 20 to 6 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: 70 dB
- Surge Protection: built-in

Connectors

- Power: Screw-less Terminal blocks
- Video Connector: BNC
- UTP Connector: Screw-less Terminal blocks

Miscellaneous

- Power Indicator: Red LED
- Operating Temperature: -10°C to +50°C
- Storage Temperature: -30°C to +70°C
- Relative humidity: 0 to 95%, non-condensing
- Material: ABS plastic, UL rating of 94V-0
- Dimensions (W x H x D): 71 x 25 x 41 mm
- Weight: 44 gr
- Power Supply: external, not included
- PSU 1 Amp 12 VDC PSU needed

Diagram

Ordering Information

GEC-1AVT

Video Transmitter, w/ Surge Protection & GL isolation, Lever type connectors, Up-the-Coax, 70dB CTaNI

