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S702V

Two-Channel Video

Overview

The S702V video link meets the challenge for a low cost, high performance fiber optic video transmission system. The series transmits two channels of baseband composite video up to 3.2 miles (5.2 km) over two multimode fibers.

Rack or Standalone Models

The S702V series consists of a transmitter and a receiver. The S702V is available as a standalone unit and as a rack cards for use in the 515R1/517R1 rack mount card cages.

Superior Diagnostics

The SMARTS™ diagnostic technology provides built-in diagnostic tools including LEDs that monitor the operating status of the video and optical signals.



Standard Features

- **One-way video transmission over two multimode fibers**
- **Two video channels**
- **Supports NTSC and PAL video formats**
- **Works with all cameras**
- **Video SNR >50 dB**
- **8 MHz video bandwidth**
- **Optical AGC**
- **13 dB optical budget**
- **Operating distance up to 3.2 miles (5.2 km)**
- **Standalone or rack configurations**

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Specifications

Video

- Channels: 2
- Format: NTSC and PAL
- Input/output signal: 1.0 V p-p composite
- Bandwidth: 8 MHz
- Signal-to-noise ratio: > 50 dB
- Video resolution: > 640 TVL
- Input/output impedance: 75 ohms
- Differential phase: 3°
- Differential gain: 1.6%

Optical

- Mode: Multimode
- Optical budget: 13 dB
- Emitter: LED
- Wavelength: 850 nm
- Operating distance: 3.2 mi. (5.2 km)
- Gain control: Optical Automatic Gain Control (OAGC)

Electrical

- Input power, standalone units: 12 to 14 VAC or 13.5 VDC regulated
- Input power, rack units: 13.5 VDC regulated
- Transmitter current requirement: 100 mA
- Receiver current requirement: 400 mA
- Transmitter power consumption: 1.4 W
- Receiver power consumption: 5.6 W
- Power factor: 4 (receiver), 1 (transmitter) (rack units only)
- Protection: Solid-state short circuit protection
- Optional power supply: Model 610P (AC) or Model 613P (DC)

Environmental

- Operating temperature: -40 to 167°F (-40 to 75°C)
- Maximum humidity: 95% relative, noncondensing

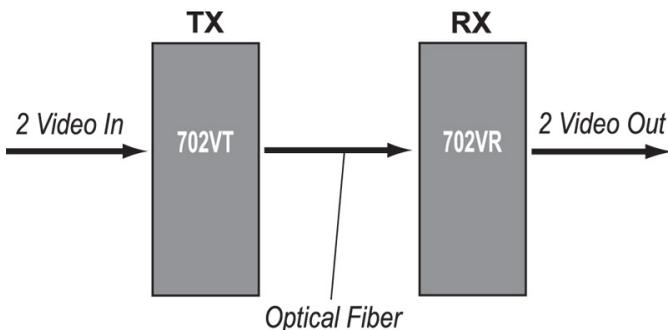
Standards

- Emissions: FCC Part 15, ICES-003, AS/NZS 3548, EN55022
- Immunity: EN50204, EN61000-4-2, -3, -4, -5, -6, -11
- Safety: UL 1950, CAN/CSA 22.2, NO. 950-95

Mechanical

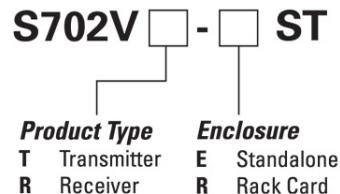
- Dimensions, standalone transmitter: 5.0 in. (L) x 2.8 in. (W) x 1.5 in. (D)
- Dimensions, standalone receiver: 9.31 in. (L) x 6.33 in. (W) x 1.15 in. (D)
- Dimensions, rack unit: 1 slot (1 in.)
- Weight, standalone transmitter: 0.67 lb. (0.31 kg)
- Weight, standalone receiver: 1.42 lb. (0.64 kg)
- Weight, rack unit: 0.61 lb. (0.28 kg)
- Construction, standalone transmitter: Plastic
- Construction, standalone receiver: Aluminum
- Construction, rack unit: Aluminum

Related Diagram



Ordering Information

Use the Configurator below to select the options available for this product.



GE Security

Mailing Address
4575 Research Way, STE 250
Corvallis, OR 97333 USA
www.GESecurity.com

Americas
800-469-1676 (US only)
tel 541-754-9133
fax 541-754-7162

Asia
tel 852-2907-8108
fax 852-2142-5063
Australia
tel +61-3-9676-0270
fax +61-3-9646-7005

Europe
tel +44-113-238-1668
fax +44-113-253-8121
Latin America
tel 305-267-4301
fax 305-267-4300

www.GESecurity.com