

Overview

The S702V video link meets the challenge for a cost-effective, 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

2-Channel Video

S702V



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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	4°
Differential Gain	10%

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	Tx @ 13.5 VDC regulated/ 12-14 VAC Rx @ 13.5 VDC regulated
Input Power, Rack Units	13.5 VDC regulated
Transmitter Current Requirement	100 mA
Receiver Current Requirement	200 mA
Transmitter Power Consumption	1.4 W
Receiver Power Consumption	2.8 W
Power Factor	2 (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

Mechanical	
Dimensions, (LWD) Standalone Tx	5.0 in. x 2.8 in. x 1.5 in. 127 x 71 x 38 mm
Dimensions, (LWD) Standalone Rx	9.3 in. x 6.3 in. x 1.15 in. 236 x 161 x 29 mm
Dimensions, Rack Unit	1 slot (1 in.)
Weight, Standalone Tx	0.67 lb. (0.31 kg)
Weight, Standalone Rx	1.4 lb. (0.64 kg)
Weight, Rack Unit	0.61 lb. (0.28 kg)
Construction, Standalone	Tx - Polycarbonate Rx - Aluminum
Construction, Rack Unit	Aluminum

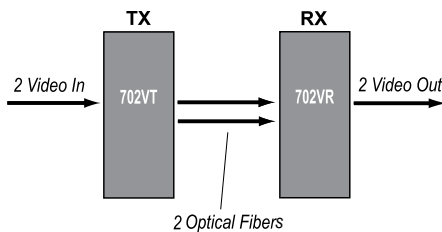
AGENCY COMPLIANCE



MADE IN THE USA

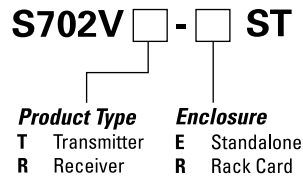
Complies with FDA Performance Standard for Laser Products, Title 21, Code of Federal Regulations, Subchapter J

Related Diagram



Ordering Information

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



* Optical Budget based on 62.5 μm fiber, for 50/125 μm fiber subtract 3 dB.

** Operating distance is approximate and assumes best fiber. It will be affected by the type and number of splices in the fiber. Refer to update No. TB00-005, which can be found at www.gesecurity.com

As a company of innovation, GE Security reserves the right to change product specifications without notice. For the latest product specifications, visit GESecurity online at www.GESecurity.com or contact your GE Security sales representative. S702V-2007-12-7