

Overview

The S701V series provides high performance video over one or two multimode fibers. The S701V system provides greater than 54 dB signal-to-noise ratio with a 10 MHz bandwidth and an optical budget of 13 dB. The high bandwidth is ideally suited for handling video feeds with embedded audio carriers.

Rack or Standalone Models

The S701V series consists of a transmitter and a receiver. The S701V is available as a standalone unit and as a rack card for use in the 515R1/517R1 rack mount card cages. For multiple video signal distribution, a two-channel version is available.

Superior Diagnostics

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

Standard Features

- One or two video channels
- One-way video transmission over one or two multimode fibers
- Video SNR >54 dB
- 10 MHz video bandwidth
- Supports NTSC and PAL video formats
- Optical AGC
- 13 dB optical budget
- Operating distance up to 3.2 miles (5.2 km)
- Standalone or rack configurations

One or Two- Channel Video

S701V
S701V2



GE Security

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Specifications

Video	
Channels	1 or 2
Format	NTSC and PAL
Input/Output Signal	1.0 V p-p composite
Bandwidth	10 MHz
Signal-to-Noise Ratio	> 54 dB
Video Resolution	> 800 TVL
Input/Output Impedance	75 ohms
Differential Phase	3°
Differential Gain	3%

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	13.5 VDC regulated
Input Power, Rack Units	13.5 VDC regulated
Transmitter Current Requirement	50 mA (1-channel) 100 mA (2-channel)
Receiver Current Requirement	200 mA (1-channel) 400 mA (2-channel)
Transmitter Power Consumption	0.75 W (1-channel) 1.5 W (2-channel)
Receiver Power Consumption	3.0 W (1-channel) 6 W (2-channel)
Power Factor	2 or 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

Mechanical	
Dimensions (LWD) Standalone	5.0 in. x 2.8 in. x 1.5 in. 127 x 71 x 38 mm
Dimensions, Rack Unit	1 slot (1 in.)
Weight, Standalone	0.28 lb. (0.13 kg)
Weight, Rack Unit	0.49 lb. (0.22 kg) S701V or 0.61 lb. (0.28 kg) S701V2
Construction, Standalone	Polycarbonate
Construction, Rack Unit	Aluminum

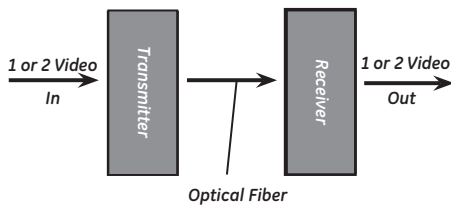
AGENCY COMPLIANCE

FCC PART 15 COMPLIANT   US

MADE IN THE USA

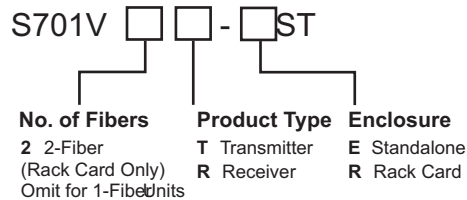
Complies with FDA Performance Standard for Laser Products, Title 21, Code of Federal Regulations, Subchapter J

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.
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imagination at work