

### 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



## 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

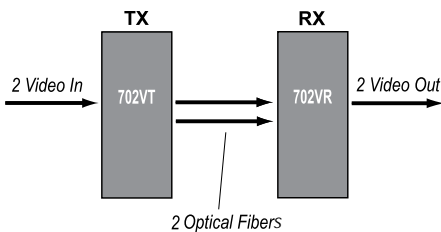
### AGENCY COMPLIANCE



### MADE IN THE USA

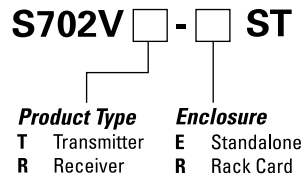
Complies with FDA Performance Standard for Laser Products, Title 21, Code of Federal Regulations, Subchapter J

## 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](http://www.gesecurity.com)