

[www.GESecurity.com](http://www.GESecurity.com)

## **S708V** 8-Channel Video

### **Overview**

The S708V fiber links use revolutionary Coarse Wavelength Division Multiplexer (CWDM) technology to provide simultaneous long-range transmission of multiple full-frame, real-time video signals over one multimode fiber.

### **Exceptional Performance**

The eight-channel system features a bandwidth of 6.2 MHz per channel and optical automatic gain control (OAGC). It accepts analog baseband input signals and converts them to digital format for transmission, assuring high-quality video outputs at the receiver.

### **Superior Diagnostics**

The SMARTS™ diagnostic technology includes a built-in video test pattern generator on the transmitter for system setup and on-screen diagnostics to indicate insufficient optical power or an inactive video channel for each output. LEDs monitor the status of the video and optical signals.



### **Standard Features**

- **One-way transmission of eight video channels over one multimode fiber**
- **Coarse Wavelength Division Multiplexer (CWDM) technology**
- **10-bit video processing**
- **500 TV lines resolution**
- **Video SNR >55 dB**
- **6.2 MHz video bandwidth**
- **Built-in test pattern generator and On-Screen Diagnostics (OSD)**
- **13 dB optical budget**
- **Color or monochrome video**
- **Optical AGC**
- **Standalone or rack configurations**

# S708V

8-Channel Video

## Specifications

### Video

- Channels: 8
- Format: NTSC, PAL, SECAM
- Input/Output Signal: 1.0 V p-p composite
- Bandwidth: 6.2 MHz
- Signal-to-Noise Ratio: >55 dB
- Video Resolution: >500 TV lines
- Input/Output Impedance: 75 ohms
- Differential Phase: <0.7°
- Differential Gain: <2%

### Optical

- Mode: Multimode
- Optical Budget: 13 dB
- Emitter: Laser
- Wavelength: 850/1300 nm or 1310/1330 nm (depending on model)
- Operating Distance: Up to 3.2 mi (5.2 km) (depending on model)
- Gain Control: Optical Automatic Gain Control (OAGC)
- Transmitter Launch Power: -15 dBm
- Receiver Sensitivity: -28 dBm

### Electrical

- Input Power, Standalone Units: 24 VAC or 13.5 VDC regulated (transmitter); 13.5 VDC regulated (receiver)
- Input Power, Rack Units: 13.5 VDC regulated
- Current Requirement: 700 mA (standalone transmitter); 1.2 A (rack units and standalone receiver)
- Power Consumption: 10 W (standalone transmitter); 17 W (standalone receiver and rack units)
- Power Factor: 10 (rack units only)
- Protection: Solid-state short circuit protection
- Optional Power Supply: Model 613P

### Environmental

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

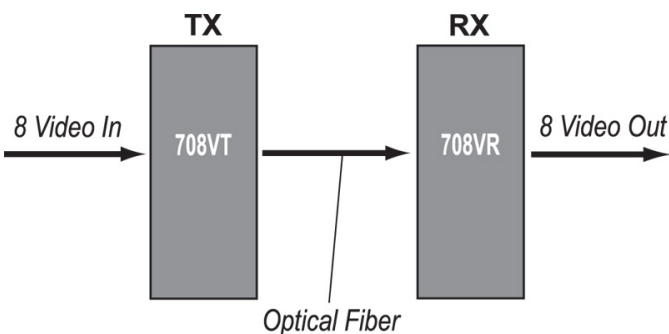
### Standards

- Emissions: FCC Part 15, ICES-003, AS/NZS 3548, EN55022
- Immunity: EN50130-4, EN61000-3-2, -3
- Safety: UL 1950, CAN/CSA 22.2, NO. 950-95
- Laser Safety: 21CFR1040, EN60825-1, -2

### Mechanical

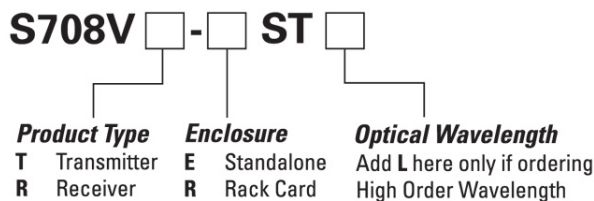
- Dimensions (LWD), Standalone Units: 5.0" x 4.8" x 2.2" (transmitter); 9.31" x 6.33" x 2.15" (receiver)
- Dimensions, Rack Units: 2 slots (2.0")
- Weight, Standalone Units: Transmitter 1.8 lbs (0.82 kg); Receiver 2.25 lbs (1.02 kg)
- Weight, Rack Units: 1.24 lbs (0.56 kg)
- Construction: Steel (standalone transmitter); Aluminum (rack units and standalone receiver)

## Related Diagram



## Ordering Information

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



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