

Overview

S700VT series compact video transmitters are designed to transmit standard analog baseband composite video up to 3.2 miles (5.2 km). The units provide one-way video transmission over one multimode fiber.

Installed in Camera Housings

The transmitter has been designed especially for easy installation in environmental camera housings. These transmitters are intended for use with any of the S700VR or S702VR series of receivers.

Superior Diagnostics

The SMARTST™ diagnostic technology provides built-in diagnostic tools including LEDs that monitor the operating status of the video and optical signals. The LEDs are provided on the S700VR or S702VR receiver connected to the system.

Standard Features

- One-way video transmission over one multimode fiber
- Single channel transmitter
- Supports NTSC and PAL video formats
- Designed for environmental housings
- Video SNR >50 dB
- 8 MHz video bandwidth
- Use with S700VR or S702VR receiver
- 13 dB optical budget with S700VR or S702VR receiver
- Operating distance up to 3.2 miles (5.2 kms)

Compact Video Transmitters

S700VT-MST Miniature and
S700VT-TST Ultra-compact



S700VT-TST



S700VT-MST



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Specifications

Video	S700VT-TST	S700VT-MST
Channels	1	
Format	NTSC and PAL	
Input/Output Signal	1.0 V p-p analog composite	
Bandwidth	8 MHz	
Signal-to-Noise Ratio	>50 dB	
Video Resolution	>640 TV lines	
Input/Output Impedance	75 ohms	
Connector	BNC on 18-inch (457 mm) cable	
Optical		
Mode	Multimode	
Optical Budget*	13 dB	
Emitter	LED	
Wavelength	850 nm	
Operating Distance**	3.2 mi (5.2 km)	
Modulation	Intensity modulation	
Connector	ST Type	
Electrical		
Input Power	13.5 VDC regulated	12 - 14 VAC or 13.5 VDC regulated
Current Requirement	50 mA	
Power Consumption	0.75 W	
Connection	8-inch (203 mm) cable	Detachable screw terminal
Optional Power Supply	Model 613P	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	0.56" (14 mm) diameter x 2.21" (56 mm) length	(LWD): 2.67" x 1.05" x 0.95" 68 x 27 x 24 mm
Weight	0.07 lbs (0.03 kg)	0.09 lbs (0.04 kg)
Construction	Aluminum	
Mounting Method	Self-adhesive hook and loop fastener	

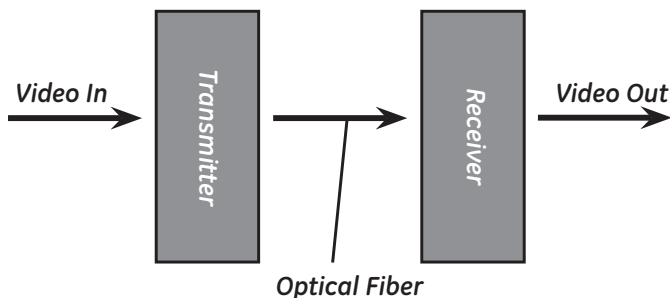
AGENCY COMPLIANCE



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 model numbers at right when ordering these products.

S700VT-MST
S700VT-TST

* 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

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imagination at work