



S700VT-TST

Video Tx, MM, Tubular Can

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 Diagnostic

The SMARTS™ 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.



Details

- 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)

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Technical specifications

General

Category	Fiber options
Classification	Video
Transmit / receive	Transmitter

Video

Video channels	1
Channels	1
Format	NTSC and PAL
Input/Output Signal	1.0 Vpp analog composite
Bandwidth	8 MHz
Signal-to-Noise Ratio	>50 dB
Video Resolution	>640 TVL
Input/Output Impedance	75 Ohms
Connector	BNC on 18-inch (457 mm) cable

Optical

Fiber type	Multi Mode (MM)
No. of fibers	1
Fiber connector type	ST
Mode	Multimode
Optical Budget	13 dB with S700VR or S702VR receiver
Emitter	LED
Wavelength	850 nm
Operating Distance	3.2 mi (5.2 km)
Modulation	Intensity modulation
Connector	ST Type

Electrical

Input Power	12 - 14 VAC or 13.5 VDC regulated
Current Requirement	50 mA
Power Consumption	0.75 W
Connector	Detachable screw terminal
Optional Power Supply	Model 615P-1/EU (Order Code: 188-3178/EU) or 615P-1/UK (Order Code: 188-3178/UK)

Physical

Form factor	Miniature
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Environmental

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

Standards

Emmissions	FCC Part 15, ICES-003, AS/NZS 3548, EN55022
Immunity	ENV50204, EN61000-4-2, -3, -4, -5, -6, -11
Safety	UL 1950, CAN/CSA 22.2, NO. 950-95

Mechanical

Dimensions MST (LWD)	2.67" x 1.05" x 0.95" (27 x 24 x 68mm)
Weight	0.09 lbs (0.04 kg)
Dimensions TST (DxL)	0.56" (14 mm) x 2.21" (56 mm)
Construction	Aluminum
Mounting Method	Self-adhesive hook and loop fastener

S700VT-MST
S700VT-TST



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