

S700VT-MST

Miniature Video Transmitter

Overview

The S700VT-MST miniature video transmitter is designed to transmit standard analog baseband composite video up to 3.2 miles (5.2 km). The unit provides 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. The S700VT-MST is intended for use with any of the S700VR or S702VR series of receivers.

Superior Diagnostics

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.



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)**

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Specifications

Video

- 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 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

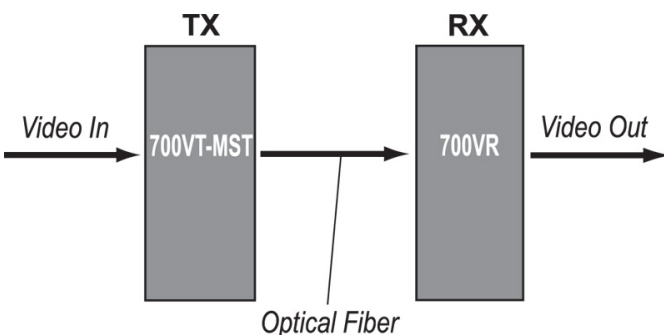
- Input Power: 12 - 14 VAC or 13.5 VDC regulated
- Current Requirement: 50 mA
- Power Consumption: 0.75 W
- Connector: Detachable screw terminal
- Optional Power Supply: Model 610P (AC) or Model 613 P (DC)

Environmental

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

Standards

Related Diagram



- Emissions: 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 (LWD): 2.67" x 1.05" x 0.95"
- Weight: 0.09 lbs (0.04 kg)
- Construction: Aluminum
- Mounting Method: Self-adhesive hook and loop fastener

Ordering Information

Use the model number below when ordering this product.

S700VT-MST



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