



S700VR-RST

Video Rx, MM, Rack

Overview

Single-channel Video transmitters meet the challenge for a low cost, high performance fiber optic video transmission system. The series transmits one channel of baseband composite video up to 3.2 miles (5.2 km) over one multimode fiber.

Rack or Standalone Models, or Kit

The S700V series consists of a transmitter and a receiver. It is available as a standalone unit and as a rack card for use in the 515R1/517R1 rack mount card cages.

The S700VT-PKG includes a miniature transmitter (with an 18-inch coax cable assembly), an S700V standalone receiver, and two 610P AC power supplies.

Superior Diagnostics

The SMARTS™ diagnostic technology provides built-in diagnostic tools including LEDs that monitor the operating status of the video and optical signals.



Details

- One-way video transmission over one multimode fiber
- Single video channel
- Supports NTSC and PAL video formats
- Works with all cameras
- Video SNR >50 dB
- 8 MHz video bandwidth
- 13 dB optical budget
- Operating distance up to 3.2 miles (5.2 km)
- >640 TV lines resolution
- Rack Mount, Standalone, or Kit configurations available

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Technical specifications

General

Category	Fiber options
Classification	Video
Transmit / receive	Receiver

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
Differential Phase	4°
Differential Gain	10%

Optical

Fiber type	Multi Mode (MM)
No. of fibers	1
Fiber connector type	ST
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	12 - 14 VAC or 13.5 VDC regulated
Input Power, Rack Units	13.5 VDC regulated
Transmitter Current Requirement	50 mA
Receiver Current Requirement	200 mA
Transmitter Power Consumption	0.70 W
Receiver Power Consumption	2.8 W
Power Factor	1 (transmitter), 2 (receiver) (rack units only)
Protection	Solid-state short circuit protection
Optional Power Supply	Model 615P-1/EU (Order Code: 188-3178/EU) or 615P-1/UK (Order Code: 188-3178/UK)

Physical

Form factor	Rack
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Environmental

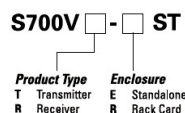
Operating Temperature	-40 to 167 °F (-40 to 75 °C)
Maximum Humidity	95% relative, noncondensing

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 (LWD), Standalone Units	5.0" x 2.8" x 1.5" (127 x 71 x 38 mm)
Dimensions, Rack Units	1 slot (1.0" / 25,4 mm)
Weight	Standalone 0.67 lbs (0.31 kg); rack 0.49 lbs (0.22 kg)
Construction	Plastic (standalone); Aluminum (rack)



S700V-PKG

Includes a miniature transmitter with an 18-inch (456 mm) coax cable assembly, an S700V standalone receiver, and two 610P AC power supplies.



As a company of innovation, Kidde Global Solutions reserves the right to change product specifications without notice. For the latest product specifications, visit uk.firesecurityproducts.com online or contact your sales representative.

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