S703VR-RST

Glasfaserübertragungssystem

Overview

2-Channel Video Multiplexers transmit two channels of full-frame, real-time video over a single fiber. They accept monochrome and color signals in NTSC and PAL formats. The multiplexers consist of a two-channel transmitter and receiver, with both units available in standalone and rack configurations. S703V models feature multimode operation, while S7703V models operate over one single mode fiber.

Exceptional Performance

Full-frame, real-time video transmission delivers all the video captured by the camera. A bandwidth of 8 MHz enable the multiplexers to transmit extremely clear, high-resolution images. FM modulation assures that the image quality remains high over the full operating distance.

Superior Diagnostics

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

Einzelheiten

- One-way transmission of two real-time, full frame video channels over one fiber.
- Single and multimode models available
- Supports all major video formats
- 640 TV lines resolution
- 60 dB Video SNR
- 8 MHz video bandwidth
- Optical AGC
- 13 dB optical budget
- Operating distance up to 27 miles (43 km), depending on the model
- Standalone or rack configurations

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Technische Spezifikationen

Allgemein

Kategorie	Fiber Options
Klassifikation	Video
Senden / Empfangen	Empfänger

Video

Videokanäle	2
Channels	2
Format	NTSC, PAL, SECAM, EIA, CCIR
Input/Output Signal	1.0 Vpp composite
Bandwidth	8 MHz
Signal-to-Noise Ratio	60 dB
Video Resolution	>640 TVL
Input/Output Impedance	75 Ohms
Differential Phase	3°
Differential Gain	3%

Optisch

Fasertyp	Multi Modus (MM)
Anzahl der Fasern	1
Glasfaser-Anschlusstyp	ST

Physikalisch

Formfaktor	Rack

Optical

Mode	Multimode S703; Single Mode S7703
Optical Budget	13 dB
Emitter	Laser
Wavelength	Multimode 850 nm or 1300 nm; Single Mode 1310 nm or 1550 nm (depending on model)
Operating Distance	Multimode Up to 11 mi (18 km); Single Mode Up to 27 mi (43 km) (depending on model)
Modulation Type	Frequency modulation
Gain Control	Optical Automatic Gain Control (OAGC)

Electrical

Input Power, Standalone Units	13.5 VDC regulated (transmitter); 13.5 VDC regulated (receiver)
Input Power, Rack Units	13.5 VDC regulated
Current Requirement	200 mA
Power Consumption	3 W
Power Factor	2 (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)

Environmental

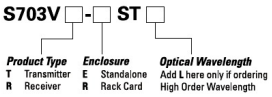
Operating Temperature	-40 to 167 °F (-40 to 75 °C)
Maximum Humidity	95% relative, noncondensing

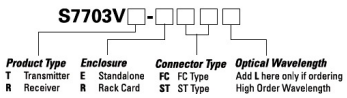
Standards

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, EN60825

Mechanical

Dimensions (LWD), Standalone Units	5.0" x 4.8" x 1.5" (127 x 122 x 38 mm) (transmitter); 9.3" x 6.33" x 1.15" (236 x 161 x 30 mm) (receiver)
Dimensions, Rack Units	1 slot (1.0")
Weight	Standalone TX 1.21 lbs (0.55 kg); Standalone RX 1.36 lbs (0.61 kg); rack 0.75 lbs (0.34 kg)
Construction	Polycarbonate (standalone Tx); Aluminum (rack & standalone Rx)





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