

S732DVT-EST2

Digital Video, 2-Way MPD Data Tx, MM, Can

Overview

S732DV and S7732DV fiber links provide transmission of one-way video and two-way multiprotocol data over one or two optical fibers. S732DV models feature multimode operation, while S7732DV models operate over single mode fibers. The links can be supplied as either a standalone module or as a rack card that can be installed in a standard 19-inch card cage. A complete system consists of a transmitter and a receiver. S732DV-PKG kits include a standalone multimode transmitter, a standalone multimode receiver, and two power supplies.

Video Processing

The units utilize 8-bit video processing of the video component along with a signal-to-noise ratio >55 dB that assures clean, noise-free video at the receiver.

Data Translation

The data functions include the unique data translation feature, which allows one data format to be input and a different data format to be output. Data formats are selected during installation and can be easily changed in the field via rotary switch.

Multiprotocol Data Formats

The unique multiprotocol data design accepts all major data formats. This allows the S(7)732DV-PKG to be retained if there is a change of video control systems.

Superior Diagnostics

The SMARTS™ diagnostic technology provides an extensive set of built-in diagnostic tools including a video test pattern generator that allows failures to be diagnosed from the monitor. LEDs provide a visual indication of the operating status of the equipment.

CWDM Technology

Certain models of the S732DV series incorporate Coarse Wavelength Division Multiplexer (CWDM) technology for maximum distance capability using a single multimode fiber.



Details

- One-way video, two-way multiprotocol data transmission over one or two multimode fibers
- Single and multimode models available
- 8-bit video processing
- 520 TV lines video resolution
- Unique data translation function
- Field-selectable data format
- 13 dB optical budget (20 dB on CWDM models), or 18 dB on single-mode models
- Supports all major data formats
- Standalone or rack configurations
- Standalone package includes a multimode transmitter, a multimode receiver, and two power supplies

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Technical specifications

Video

Video channels	1
Channels	1 simplex
Format	NTSC and PAL
Input/Output Signal	1.0 V pp composite
Bandwidth	6.5 MHz
Signal-to-Noise Ratio	>55 dB
Video Resolution	520 TVL
Input/Output Impedance	75 ohms
Differential Phase	<3°
Differential Gain	<3%

Data

Data channels	1
Channels	1 duplex
Formats	RS-232 (3-wire/5-wire), TTL, RS-422, RS-485 (2-wire/4-wire), Manchester, Biphase, SensorNet, DTMF control
Baud Rate	250 kbps to 512 kbps (depending on data format)
Bit Error Rate	<1.0E-9

Optical

Fiber type	Multi Mode (MM)
No. of fibers	2
Fiber connector type	ST
Mode	Multimode or Single Mode
Optical Budget	Multimode 13 dB (20 dB on CWDM models); Single Mode 18 dB
Emitter	Multimode LED; Single Mode Laser
Wavelength	Multimode 850 nm or 1300 nm; 1310 nm and 1330 nm on CWDM models; Single Mode 1310 nm or 1550 nm (Depending on model)
Operating Distance	Multimode Up to 4.0 mi (6.5 km) (depending on model) (RST1L > (7.5 mi 12 km); Single Mode 37 mi (60 km) (Depending on model)
Launch Power	Multimode -15 dBm; Single Mode -10 dBm
Receiver Sensitivity	-28 dBm
Gain Control	Optical Automatic Gain Control (OAGC)

General

Transmit/receive	Transmitter
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Electrical

Input Power, Standalone Units	24 VAC or 13.5 VDC regulated
Input Power, Rack Units	13.5 VDC regulated
Current Requirement	450 mA
Power Consumption	6 W
Power Factor	4 (rack units only)
Protection:	Solid-state short circuit protection
Power Supply	Model 615P-1/EU (Order Code: 188-3178/EU) or 615P-1/UK (Order Code: 188-3178/UK)

Physical

Form factor	Stand Alone
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Environmental

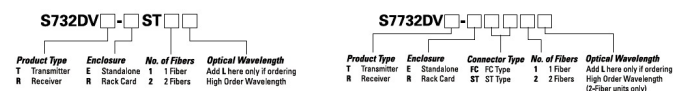
Operating Temperature	-40 to 167 °F (-40 to 75 °C)
Maximum Humidity	95% relative, noncondensing

Standards

Emmissions	FCC Part 15, ICES-003, AS/NZS 3548, EN55022
Immunity	EN50204, 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 4.8" x 1.5" (127 x 122 x38 mm)
Dimensions, Rack Units	1 slot (1.0")
Weight	Standalone 1.2 lbs (0.54 kg); rack 0.6 lbs (0.27 kg)
Construction	Polycarbonate (standalone); Aluminum (rack)



As a company of innovation, UTC Fire & Security reserves the right to change product specifications without notice. For the latest product specifications, visit UTC Fire & Security online or contact your sales representative.