DFO3101T/R-DFO4101T/R Digital Fiber Optic 1 Video



DESCRIPTION

The DFO3101iT/R and DFO4101iT/R Series are NTSC and PAL uncompressed, 8 bit, Digitally encoded fiber optic transmission of one video on multimode or singlemode fiber. Available as standalone and card versions with the highest density, 18 slots per 19" x 3U Subrack. Units are designed with rugged Aluminum case for outdoor environment and meet the stringent equipment specifications, including temperature, shock, vibration, humidity, voltage and transient protection. Input voltage for standalone are 5VDC and 19" Chassis are 100-240VAC.



APPLICATIONS

- * Homeland Security
- * Correctional Centers
- * Petrochemical Industry
- * Corporate and Banking
- * Casinos and Hospitality
- * Health Care Centers
- * Schools and Universities
- * Government and Military
- * Power Generating Plants
- * Traffic Surveillance (ITS)

FEATURES

- * Uncompressed 1 Video, 8 Bit Encoding
- * 8 MHz video bandwidth, NTSC, PAL
- * Immune to EMI and RFI
- * LED status indicators for power, optic link and video signals
- * Highest optical dynamic range
- * Hot-Swappable Rack Cards
- * Automatic Re-settable Fuses
- * No optical user adjustments
- * Highest Racking Density 18 Slots, 2 PSU
- * 5VDC for standalone; 100-240VAC for 19"3U
- * Compliance with CE, FCC and ROHS

ORDERING INFORMATION

Standalone

DFO3101TAZMOS Digital 1 Video Transmitter fiber MM, 5VDC ST DFO4101TEZMOF Digital 1 Video Transmitter fiber SM, 5VDC FC

DFO3101RAZMOS Digital 1 Video Receiver fiber MM, 5VDC ST DFO4101REZMOF Digital 1 Video Receiver fiber SM, 5VDC FC

Rackmount

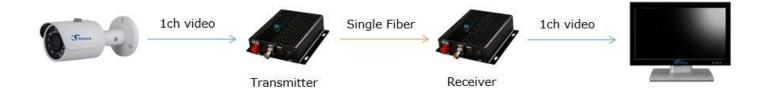
DFO3101RAZRS Digital 1 Video Receiver fiber MM Card ST DFO4101REZRF Digital 1 Video Receiver fiber SM Card FC





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Power Parameters Specifications

Rated voltage: 5VDC (standalone) **Video performance** Power Supply: 1A (included) Video connector: BNC

5 Hz~8MHz Video Bandwidth: **Mechanical Parameters**

Video input/output Impedance: 75 Ω (unbalanced) Dimensions:

Video input/output voltage: 1.0V p-p Standalone L x D x H: 4.7"(120mm), 4.1"(105mm),

Differential gain 10%-90%APL: <1% (typical) 1.1"(28mm)

Differential phase 10%-90%APL: <1° (typical) Rackmount Card L x D x H: 6.2"(156mm), 5.1"(130mm), SNR (Weighted):

0.8"(20mm) ≥ 60dB

8 Bit Uncompressed DFO9300 Subrack 3U: 19"(485mm), Encoding:

11.8"(300mm), 5.25"(135mm) $L \times W \times H$

Environmental Parameters

-34°C~+74°C Environmental temperature: **Regulatory Compliance:** CE, FCC, ROHS

Storage temperature: -40°C~+85°C

ISO9001:2000 Standards Relative Humidity: 0~95% (Non-condensing) Manufactured to:

Optical performance

Fiber type	Singlemode	Multimode
Wavelength	Laser 1310/1550nm	Laser 1310nm/1550nm
Output Power	-8 dB	-18dB
Receiver Sensitivity	-30 dB	-23dB
Optical Loss Budget	22 dB	15dB

Note: 2Km on MM 62.5/125u; 5Km on MM 50/125u; 20Km on SM 9/125u. Available with up to 60Km

