

DFO2101T/R HDMI 1080p Video Fiber Optic Extender



DESCRIPTION

The DFO2101iT/R Series are 10 Bit Digitally encoded fiber optic transmission of one HDMI video and embedded stereo audio on singlemode fiber. Available as standalone, 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 12VDC (no rackmount).



FEATURES

- * 1920x1080 HDMI Video Fiber Optic Extender
- * 300MHz Video Bandwidth, 10 Bit encoding
- * Includes embedded stereo Audio
- * Immune to EMI and RFI
- * LED status indicators for power, optic link and video signals
- * Highest optical dynamic range
- * SM Fiber - 20Km LC
- * Automatic Re-settable Fuses
- * No optical user adjustments
- * 12VDC input voltage (standalone)
- * Compliance with CE, FCC and ROHS

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
- * Broadcast Studios

ORDERING INFORMATION

Standalone

- DFO2101TEZM1L Digital 1 HDMI Video Transmitter fiber SM (20Km), 12VDC LC
- DFO2101REZM1L Digital 1 HDMI Video Receiver fiber SM (20Km), 12VDC LC



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Specifications

Video performance

| | |
|-------------------|-----------------------|
| Signal Type: | HDMI |
| Video Bandwidth: | 300MHz |
| Video Resolution: | 1920 x 1080 and lower |
| Video Encoding: | 10 Bit |
| Stereo Audio: | Embedded with Video |

Power Parameters

| | |
|----------------|-------|
| Rated voltage: | 12VDC |
| Power Supply: | 1A |

Mechanical Parameters

| | |
|-----------------------|--------------------------------------|
| Optical Interface: | LC SFP |
| Dimensions: | |
| Standalone L x D x H: | 7.3"(185mm), 5.5"(140mm), 1.8"(45mm) |

Environmental Parameters

| | |
|----------------------------|------------------------|
| Environmental temperature: | 0°C~+50°C |
| Storage temperature: | -40°C~+85°C |
| Relative Humidity: | 0~95% (Non-condensing) |

Regulatory Compliance: CE, FCC, ROHS

Manufactured to: ISO9001:2000 Standards

Optical performance

| | |
|----------------------|-------------------|
| Fiber type | Singlemode |
| Wavelength | Laser 1310/1550nm |
| Output Power | -5 dB |
| Receiver Sensitivity | -18 dB |
| Optical Loss Budget | 13dB |

Note: 20Km on SM 9/125u. Available with up to 40Km

