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Fiber Optic Video & Data Transmission 2-Channel Video + 1 Duplex Data + IP Ethernet



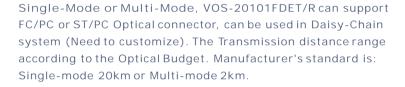
System Design

Fiber Optic Video & Data Transmitter & Receiver VOS-20101FDET/R can transmission 2-Channel digital composite video, 1 duplex data, and 10M/100M Ethernet, Data support RS485, RS232, RS422 protocols. Ideal for Broadcast / Studio , CCTV and Professional AV applications.

Audio



Stand-alone or rack-mount. All units of VOS-20101FDET/R come in an insert card version. The cards can be inserted into our 14-slot, 19inch 4U or 6U rack-mountable card cage (VOS-CH04 or VOS-CH06).





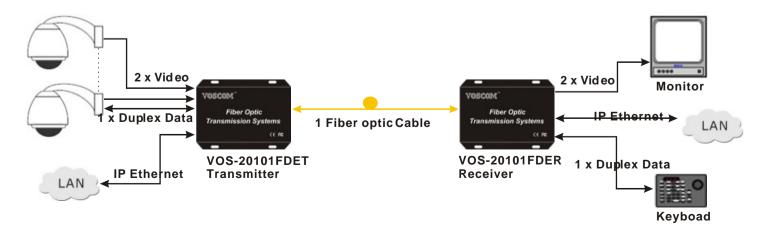




Features

- Support Point-to-Point or Daisy-Chain connection
- Uncompressed Digital Composite Video over one fiber
- Data support RS485(2-wire or 4-wire), RS232, RS422, Contact Closure
- Compatible with all PAL, NTSC, SECAM Video Systems
- Multi-mode Fiber Support for Distances up to 2.0 km
- Single-Mode Fiber Support for Distances up to 100 km
- LED Status Provide Rapid Indication of Operating Parameters
- No EMI or RFI and no ground loops
- Stand alone or rack-mount

Typical Configuration



Video & Data over Fiber

Ordering Information

Model Number		Fiber Mode	Wavelengths	Optical Power	Maximum Transmission
Transmitter	Receiver			Budget	Distance
VOS-20101FDEMT	VOS-20101FDEMR	Multi-Mode	1310nm/1550nm	16dB	2km
VOS-20101FDEST	VOS-20101FDESR	Single-Mode	1310nm/1550nm	12dB	20km
VOS-20101FDEST-4	VOS-20101FDESR-4	Single-Mode	1310nm/1550nm	18dB	40km
VOS-20101FDEST-6	VOS-20101FDESR-6	Single-Mode	1310nm/1550nm	25dB	60km

Note:

- The Optical Power Budget data fit Mulit-mode(62.5/125 μm), Single-Mode(9/125 μm).
- When using 50/125 µm multimode fiber, subtract 3 dB from the optical power budget.
- Optical transmission distance is limited to optical loss of the fiber and any additional loss introduced by connectors, splices and patch panels.
- Maximum transmission distance is also limited by fiber bandwidth.
- Power adapter is manufactured by third party and is supplied with fitted screw-terminal output cables. Power adapter included (for standalone) US, European, UK or Australian power plug.
- Please feel free to consult factory for any special requirement and customization

Specification

• Video		• Connectors		
Number of Channels: Input/output impedance: Input/output Compatibility: Input/output voltage: Bandwidth: Bit Resolution: Differential Gain: Differential Phase:	BNC 75Ω PAL, NTSC, SECAM 1.0 Voltp-p 6.5MHZ 8-Bit Digital Transmission < 1.5%	Data: Optical: Stand-Alone Power:	75Ω BNC (Gold Center Pin) Terminal Block FC/PC or ST/PC Optional Screw terminal block AC line cord	
		Electrical & Mechanical		
Tilt: Signal-to-Noise Ratio(SNR):	< 5% > 67 dB	Input Power Requirements: Power Adapter:	DC 5V@2A AC 100V~240V	
• Data		Power Consumption: Stand-Alone Dimensions:	< 3W 142mm × 107mm × 25mm	
	RS485(2-wire or 4-wire), RS232/422,Contact Closure DC to 115.2Kbps 10E-9	Card for 4U Rack Dimensions: Shipping Weight:	145mm × 170mm × 20mm 1.8kg (include TX & RX)	
Bit Error Rate:		• Environmental		
• Ethernet/IP		Operating Temperature: Storage Temperature:		
Data Rate:	Ethernet IEEE 802.3 10/100 Mbps RJ-45,Auto MDI/MDI-X	Relative Humidity:	0%~95% (non-condensing) >100,000 hours	

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