VOBCOM

VOS-10101FDET/R

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



System Design

(VOS-CH04 or VOS-CH06).

Fiber Optic Video & Data Transmitter & Receiver VOS-10101FDET/R can transmission 1-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



Single-Mode or Multi-Mode, VOS-10101FDET/R can support FC /PC or ST/PC Optical connector, can be used in Daisy-Chain system (Need to customize). The Transmission distance range according to the Optical Budget. Manufacturer's standard is: Single-mode 20km or Multi-mode 2km.

Stand-alone or rack-mount. All units of VOS-10101FDET/R come in an insert card version. The cards can be inserted into our 14-slot, 19inch 4U or 6U rack-mountable card cage

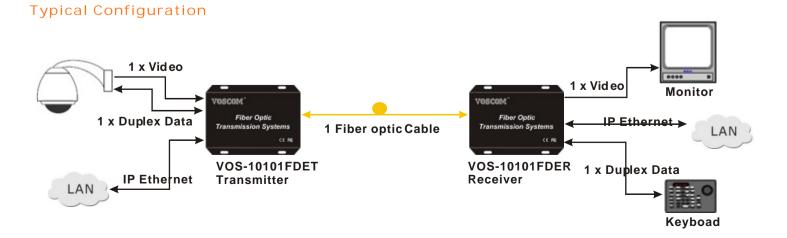






Features

- 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



Ordering Information

| Model Number | | Fiber Mode | Wavelengths | Optical Power | Maximum Transmission |
|------------------|------------------|-------------|---------------|------------------|-------------------------|
| Transmitter | Receiver | Tibel Mode | waverengtits | Budget | Distance |
| VOS-10101FDEMT | VOS-10101FDEMR | Multi-Mode | 1310nm/1550nm | 16dB | 2km |
| VOS-10101FDEST | VOS-10101FDESR | Single-Mode | 1310nm/1550nm | 12dB | 20km |
| VOS-10101FDEST-4 | VOS-10101FDESR-4 | Single-Mode | 1310nm/1550nm | 18dB | 40km |
| VOS-10101FDEST-6 | VOS-10101FDESR-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 μ m 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 | | |
|--|---|--|--|--|
| Input/output impedance: Input/output Compatibility: Input/output voltage: Bandwidth: Bit Resolution: Differential Gain: | Number of Channels:1-Channel VideoInput/output impedance:BNC 75ΩInput/output Compatibility:PAL, NTSC, SECAMInput/output voltage:1.0 Volt p-pBandwidth:6.5MHZBit Resolution:8-Bit Digital TransmissionDifferential Gain:< 1.5% | Data: Optical: | 75Ω BNC (Gold Center Pin) Terminal Block FC/PC or ST/PC Optional Screw terminal block AC line cord | |
| | | • Electrical & Mechanical | | |
| | | Input Power Requirements: Power Adapter: | | |
| • 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 | |