VOS-2010FBT/R

Voscom

Fiber Optic Video & Data Transmission for PTZ Cameras 2-Channel Video + 1 Return Rs485 Data over Fiber



System Design

Fiber Optic Video & Data Transmitter & Receiver VOS-2010FBT/R can transmission 2-Channel digital composite video and 1 return rs485 data. It is designed for PTZ cameras.

Audio

Stand-alone or rack-mount. All units of VOS-2010FBT/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).



Single-Mode or Multi-Mode, VOS-2010FBT/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.



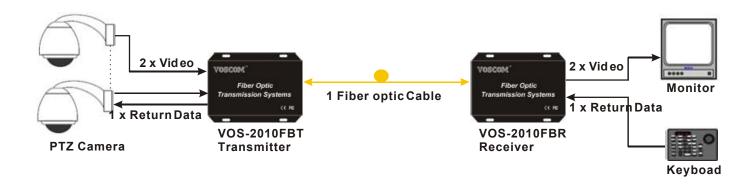


Ethernet

Features

- Support Point-to-Point or Daisy-Chain connection
- Uncompressed Digital Composite Video over one fiber
- 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
- Produce according to customer's specifications, providing OEM

Typical Configuration



1 www.voscom.com

Video & Data over Fiber

Ordering Information

Model Number		Fiber Mode	Wavelengths	Optical Power	Maximum Transmission
Transmitter	Receiver	Fiber Mode	Wavelengths	Budget	Distance
VOS-2010FBMT	VOS-2010FBMR	Multi-Mode	1310nm/1550nm	16dB	2km
VOS-2010FBST	VOS-2010FBSR	Single-Mode	1310nm/1550nm	12dB	20km
VOS-2010FBST-4	VOS-2010FBSR-4	Single-Mode	1310nm/1550nm	18dB	40km
VOS-2010FBST-6	VOS-2010FBSR-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

•		/ :	4	_	_
•	- 1	, ,		-	

Number of Channels: 2-Channel Video

Input/output impedance: BNC 75Ω

Input/output Compatibility: PAL, NTSC, SECAM

Input/output voltage: 1.0 Voltp-p

Bandwidth: 6.5MHZ

Bit Resolution: 8-Bit Digital Transmission

Differential Gain: < 1.5% Differential Phase: < 1.5°

Tilt: < 5%

Signal-to-Noise Ratio(SNR): > 67 dB

• Data

Data Formats: Rs485

Data Rate: DC to 115.2Kbps

Bit Error Rate: 10E-9

Connectors

Video: 75 Ω BNC (Gold Center Pin)

Data: Terminal Block

Optical: FC/PC or ST/PC Optional

Stand-Alone Power: Screw terminal block

Rack Power: AC line cord

• Electrical & Mechanical

Input Power Requirements: DC 5V@2A

Power Adapter: AC 100V~240V

Power Consumption: < 3W

 $\begin{array}{ll} \text{Stand-Alone Dimensions:} & 142\text{mm} \times 107\text{mm} \times 25\text{mm} \\ \text{Card for 4U Rack Dimensions:} & 145\text{mm} \times 170\text{mm} \times 20\text{mm} \\ \end{array}$

Shipping Weight: 1.8kg (include TX & RX)

• Environmental

Operating Temperature: -45° C $\sim+75^{\circ}$ C

Storage Temperature: -45° C~+85° C

Relative Humidity: 0%~95% (non-condensing)

MTBF: >100,000 hours

www.voscom.com