

Fiber Optic Video Transmission for Fixed Cameras 24-Channel Composite Video

24
Video

System Design

Fiber Optic Video Transmitter & Receiver VOS-24000FT/R can transmission 24-Channel digital composite video over one fiber, Support Coarse Wavelength Division Multiplexing (CWDM) designed for *Fixed Cameras*.

Audio

Just can support *Stand-alone 19 inch 2U Rack*. All units of VOS-24000FT/R can not be used by video card style.

Data

Only can support *Single-Mode*. VOS-24000FT/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.

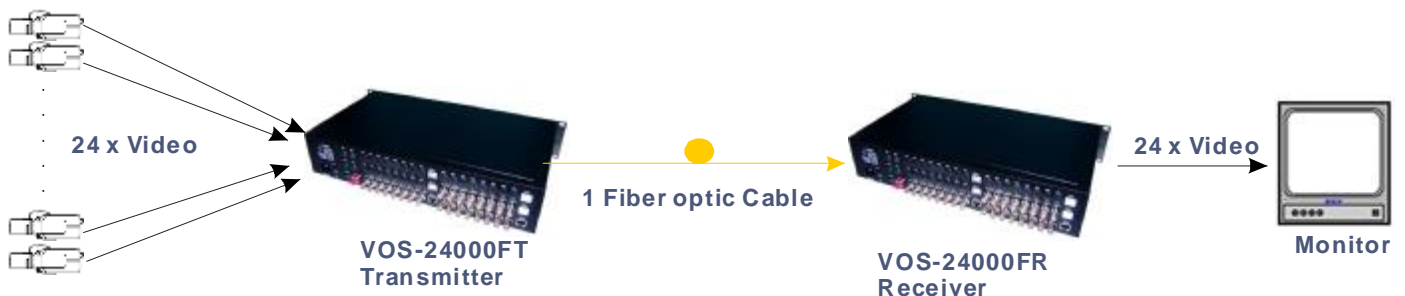


Ethernet

Features

- Support Point-to-Point or Daisy-Chain connection
- Uncompressed Digital Composite Video over one fiber
- Compatible with all PAL, NTSC, SECAM Video Systems
- Single-Mode Fiber Support for Distances up to 20 km
- LED Status Provide Rapid Indication of Operating Parameters
- No EMI or RFI and no ground loops
- Support Coarse Wavelength Division Multiplexing (CWDM)
- Stand alone 19inch 2U Rack
- Produce according to customer's specifications, providing OEM

Typical Configuration



Fiber Optic Video Transmission

Ordering Information

Model Number		Fiber Mode	Wavelengths	Optical Power Budget	Maximum Transmission Distance
Transmitter	Receiver				
VOS-24000FST	VOS-24000FSR	Single-Mode	1430nm ~ 1550nm	10dB	20km

Note:

- The Optical Power Budget data fit Single-Mode (9/125 μ m).
- 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

<ul style="list-style-type: none"> • Video <p>Number of Channels: 24-Channel Video Input/output impedance: BNC 75 Ω Input/output Compatibility: PAL, NTSC, SECAM Input/output voltage: 1.0 Volt p-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</p>	<ul style="list-style-type: none"> • Connectors <p>Video: 75 Ω BNC Optical: FC , ST Optional Stand-Alone Power: Screw terminal block Rack Power: AC line cord</p>
	<ul style="list-style-type: none"> • Electrical & Mechanical <p>Input Power Requirements: DC 5V@6A Power Adapter: AC 100V ~ 240V Power Consumption: < 20W Stand-Alone Dimensions: 483mm \times 250mm \times 89mm Shipping Weight: 10kg (include TX & RX)</p>
	<ul style="list-style-type: none"> • Environmental <p>Operating Temperature: -45° C ~ +75° C Storage Temperature: -45° C ~ +85° C Relative Humidity: 0% ~ 95% (non-condensing) MTBF: >100,000 hours</p>