

### Fiber Optic Video Transmission for Fixed Cameras 32-Channel Composite Video

32 →  
Video

#### System Design

*Fiber Optic Video Transmitter & Receiver* VOS-32000FT/R can transmission 32-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-32000FT/R can not be used by video card style.

Data

Only can support *Single-Mode*. VOS-32000FT/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.

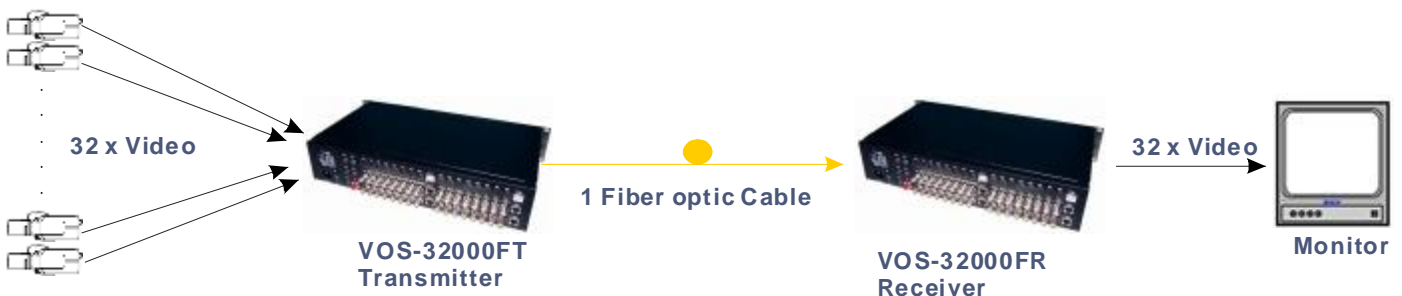


Ethernet

#### 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-32000FST | VOS-32000FSR | Single-Mode | 1430nm ~ 1550nm | 10dB                 | 20km                          |
|              |              |             |                 |                      |                               |
|              |              |             |                 |                      |                               |
|              |              |             |                 |                      |                               |

### Note:

- The Optical Power Budget data fit Single-Mode (9/125  $\mu$ 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"> <li>• <b>Video</b></li> </ul> <p>Number of Channels: 32-Channel Video<br/>           Input/output impedance: BNC 75 <math>\Omega</math><br/>           Input/output Compatibility: PAL, NTSC, SECAM<br/>           Input/output voltage: 1.0 Volt p-p<br/>           Bandwidth: 6.5MHZ<br/>           Bit Resolution: 8-Bit Digital Transmission<br/>           Differential Gain: &lt; 1.5%<br/>           Differential Phase: &lt; 1.5°<br/>           Tilt: &lt; 5%<br/>           Signal-to-Noise Ratio(SNR): &gt; 67 dB</p> | <ul style="list-style-type: none"> <li>• <b>Connectors</b></li> </ul> <p>Video: 75 <math>\Omega</math> BNC<br/>           Optical: FC , ST Optional<br/>           Stand-Alone Power: Screw terminal block<br/>           Rack Power: AC line cord</p>  |
|   | <ul style="list-style-type: none"> <li>• <b>Electrical &amp; Mechanical</b></li> </ul> <p>Input Power Requirements: DC 5V@6A<br/>           Power Adapter: AC 100V ~ 240V<br/>           Power Consumption: &lt; 20W<br/>           Stand-Alone Dimensions: 483mm <math>\times</math> 250mm <math>\times</math> 89mm<br/>           Shipping Weight: 10kg (include TX &amp; RX)</p> |
|   | <ul style="list-style-type: none"> <li>• <b>Environmental</b></li> </ul> <p>Operating Temperature: -45° C ~ +75° C<br/>           Storage Temperature: -45° C ~ +85° C<br/>           Relative Humidity: 0% ~ 95% (non-condensing)<br/>           MTBF: &gt;100,000 hours</p>   |