

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

32 →  
Video

#### System Design

Fiber Optic Video Transmitter & Receiver VDO-32000FT/R can transmission 32-Channel digital composite video over one fiber, Support Coarse Wavelength Division Multiplexing (CWDM) designed for *Fixed Cameras*.

Audio

Only support Stand-alone 19 inch 2U Rack. All units of VDO-32000FT/R can not be used by video card style.

Data

Only support Single-Mode. VDO-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.

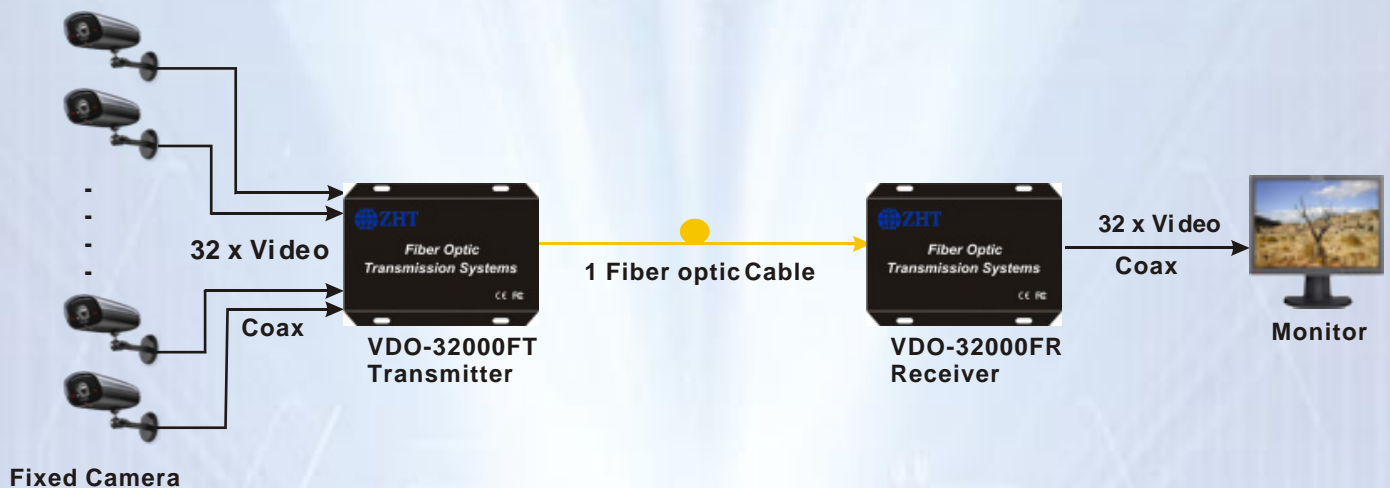


Ethernet

#### 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





# Composite Video over Fiber

## Ordering Information

Model Number		Fiber Mode	Wavelengths	Optical Power Budget	Maximum Transmission Distance
Transmitter	Receiver				
VDO-32000FST	VDO-32000FSR	Single-Mode	1430nm ~ 1550nm	10dB	20km

**Note:**

- The Optical Power Budget data fit Single-Mode(9/125 μm).
- 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>• Video           <ul style="list-style-type: none"> <li>Number of Channels: 32-Channel Video</li> <li>Input/output impedance: BNC 75Ω</li> <li>Input/output Compatibility: PAL, NTSC, SECAM</li> <li>Input/output voltage: 1.0 Volt p-p</li> <li>Bandwidth: 6.5MHZ</li> <li>Bit Resolution: 8-Bit Digital Transmission</li> <li>Differential Gain: &lt; 1.5%</li> <li>Differential Phase: &lt; 1.5°</li> <li>Tilt: &lt; 5%</li> <li>Signal-to-Noise Ratio(SNR): &gt; 67 dB</li> </ul> </li> <li>• Environmental           <ul style="list-style-type: none"> <li>Operating Temperature: -45° C~+75° C</li> <li>Storage Temperature: -45° C~+85° C</li> <li>Relative Humidity: 0%~95% (non-condensing)</li> <li>MTBF: &gt;100,000 hours</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Connectors           <ul style="list-style-type: none"> <li>Video: 75Ω BNC (Gold Center Pin)</li> <li>Optical: FC (standard), ST Optional</li> <li>Stand-Alone Power: Screw terminal block</li> <li>Rack Power: AC line cord</li> </ul> </li> <li>• Electrical &amp; Mechanical           <ul style="list-style-type: none"> <li>Input Power Requirements: DC 5V@6A</li> <li>Power Adapter: AC 100V~240V (Built-in)</li> <li>Power Consumption: &lt; 20W</li> <li>Stand-Alone Dimensions: 483mm × 250mm × 89mm</li> <li>Shipping Weight: 10kg (include TX &amp; RX)</li> </ul> </li> </ul>
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**Due to continuous improvement, all products specifications are subject to change without further notice. Contact us for custom requirements. E-mail: [Sales@zhtelecomm.com](mailto:Sales@zhtelecomm.com) Website: [www.zhtelecomm.com](http://www.zhtelecomm.com)**  
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