

### Fiber Optic Video Transmission for Fixed Cameras 64-Channel Composite Video over Fiber

64  
Video

#### System Design

Fiber Optic Video Transmitter & Receiver VDO-64000FT/R can transmission 64-Channel digital composite video over one fiber, Support Coarse Wavelength Division Multiplexing (CWDM) designed for *Fixed Cameras*.

Audio

Only support Stand-alone 19 inch 6U Rack. All units of VDO-64000FT/R can not be used by video card style.

Data

Only support Single-Mode. VDO-64000FT/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.

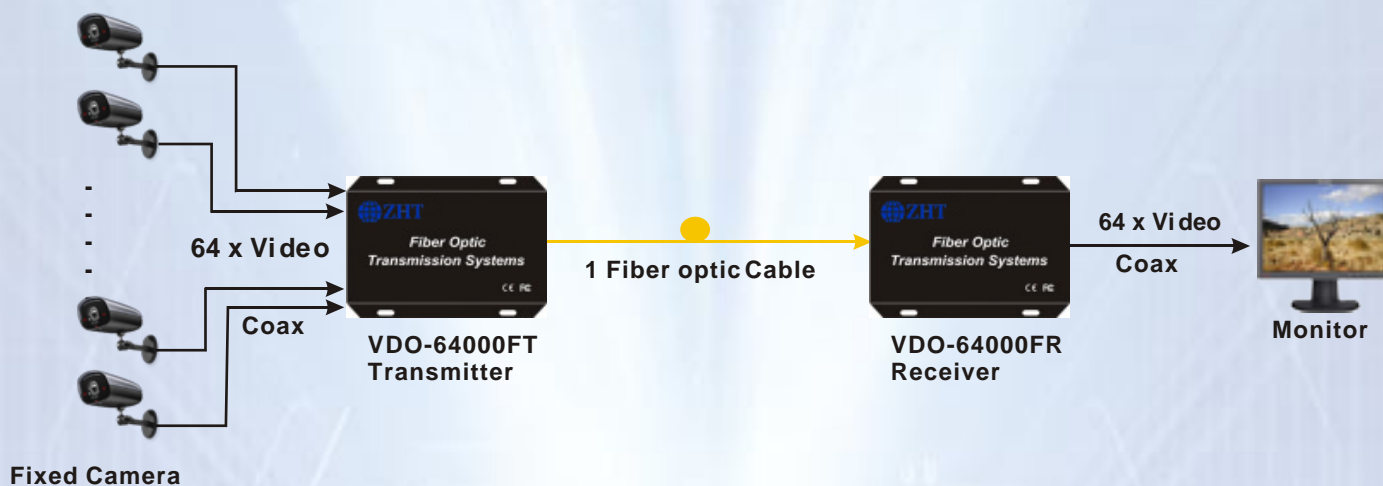


#### Features

Ethernet

- 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 6U 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-64000FST	VDO-64000FSR	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

### • Video

Number of Channels: 64-Channel Video  
 Input/output impedance: BNC 75 $\Omega$   
 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

### • Environmental

Operating Temperature: -45° C ~ +75° C  
 Storage Temperature: -45° C ~ +85° C  
 Relative Humidity: 0%~95% (non-condensing)  
 MTBF: >100,000 hours

### • Connectors

Video: 75 $\Omega$  BNC (Gold Center Pin)  
 Optical: FC (standard), ST Optional  
 Stand-Alone Power: Screw terminal block  
 Rack Power: AC line cord

### • Electrical & Mechanical

Input Power Requirements: DC 5V@16A  
 Power Adapter: AC 100V~240V (Built-in)  
 Power Consumption: < 50W  
 Stand-Alone Dimensions: 483mm x 280mm x 267mm  
 Shipping Weight: 20kg (include TX & RX)

**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)**  
**Tel: +86-01081593787 Fax: +86-01081593789**