

### AHD / HD-TVI / HD-CVI to Fiber Converter 8-Channel HD Video + 1 Return Rs485 Data

**8** →  
HD Video

#### System Design

AHD / HD-TVI / HD-CVI to Fiber Converter  
VOS-8AHD-DT/R can transmit 8-Channel HD composite video over fiber, support AHD / HD-TVI / HD-CVI & analog video format. with 1 return Rs485 data for the PTZ Cameras.  
Applications for HD CCTV systems.

Audio

Stand-alone or rack-mount. All units of VOS-8AHD-DT/R come in an insert card version. The cards can be inserted into our 18-slot, 19inch 4U rack-mountable card cage (VOS-CH04-HD18). this card require two slots widths.

← **1**  
Data

Single-Mode or Multi-Mode, VOS-8AHD-DT/R can support FC /PC or ST/PC Optical connector. The Transmission distance range according to the Optical Budget. Manufacturer's standard is: Single-mode 20km or Multi-mode 500m.

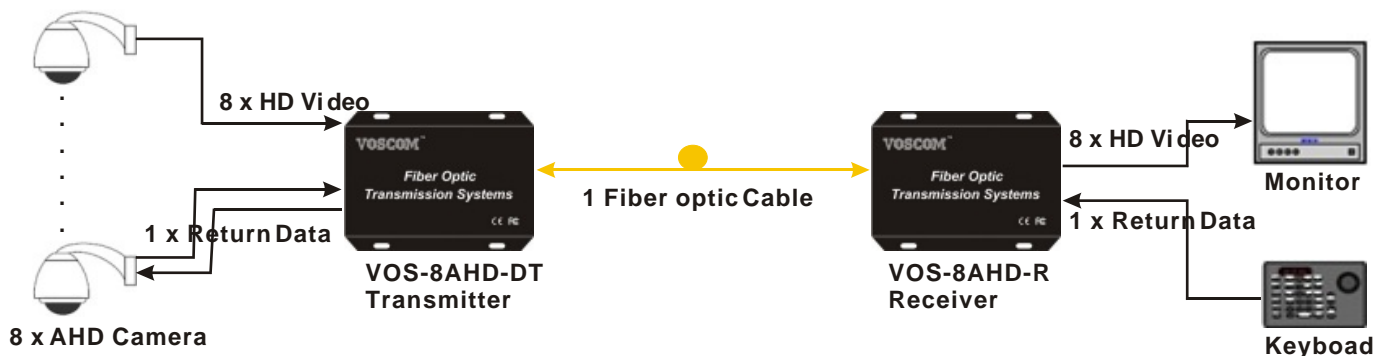


Ethernet

#### Features

- Uncompressed Digital HD Composite Video over one fiber
- Compatible with AHD, HD-TVI, HD-CVI and Normal Analog Video
- AHD format Compatible with AHD-H, AHD-M, AHD-L
- Compatible with all PAL, NTSC, SECAM Video Systems
- Support 720p, 960p and 1080p resolution
- Multi-mode Fiber Support for Distances up to 500m
- Single-Mode Fiber Support for Distances up to 60km
- LED Status Provide Rapid Indication of Operating Parameters
- No EMI or RFI and no ground loops
- Stand alone or rack-mount

#### Typical Configuration



# AHD / HD-TVI / HD-CVI over Fiber

## Ordering Information

Model Number		Fiber Mode	Wavelengths	Optical Power Budget	Maximum Transmission Distance
Transmitter	Receiver				
VOS-8AHD-DMT	VOS-8AHD-DMR	Multi-Mode	1310nm/1550nm	16dB	500m
VOS-8AHD-DST	VOS-8AHD-DSR	Single-Mode	1310nm/1550nm	12dB	20km
VOS-8AHD-DST-4	VOS-8AHD-DSR-4	Single-Mode	1310nm/1550nm	18dB	40km
VOS-8AHD-DST-6	VOS-8AHD-DSR-6	Single-Mode	1310nm/1550nm	25dB	60km

**Note:**

- The Optical Power Budget data fit Multi-mode(62.5/125  $\mu$ m), Single-Mode(9/125  $\mu$ m).
- When using 50/125  $\mu$ m 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

<p>• HD Video</p> <p>Number of Channels: 8-Channel HD Video Standard Format: AHD, HD-TVI, HD-CVI and Normal Analog Video Input/output impedance: BNC 75<math>\Omega</math> Resolution: 720p, 960p &amp; 1080p Input/output Compatibility: PAL, NTSC, SECAM Input/output voltage: 1.0 Volt p-p Bandwidth: 100MHZ Differential Gain: &lt; 1.5% Differential Phase: &lt; 1.5°</p>	<p>• Connectors</p> <p>Video: 75<math>\Omega</math> 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</p>
<p>• Data</p> <p>Data Formats: 1-CH Return Rs485 Data Data Rate: DC to 115.2Kbps Bit Error Rate: 10E-9</p>	<p>• Electrical &amp; Mechanical</p> <p>Input Power Requirements: DC 5V@2A Power Adapter: AC 100V~240V Power Consumption: &lt; 6W Stand-Alone Dimensions: 172mm <math>\times</math> 167mm <math>\times</math> 45mm Card for 4U Rack Dimensions: 145mm <math>\times</math> 170mm <math>\times</math> 40mm Shipping Weight: 3kg (include TX &amp; RX)</p>
	<p>• Environmental</p> <p>Operating Temperature: -45° C ~ +75° C Storage Temperature: -45° C ~ +85° C Relative Humidity: 0%~95% (non-condensing) MTBF: &gt;100,000 hours</p>