



SWV62600 Series

Hi-Definition Analog Video

TVI/CVI/AHD to Fiber Converter

- Lossless non-compression real time transmission
- CWDM technology offer 3.2G bandwidth to each 4chs video, support higher performance
- Automatically identify formats of input video: AHD/TVI/CVI/PAL/NTSC/SECAM
- Support 720P/25/30/50Hz, 960P/25/30Hz, 1080P/30Hz
- Advanced lightning protection design, support 5.7KV lightning protection
- Through LED indicators to inform its functional mode
- Industrial wide range of operational temperature
- Stand-alone or Rack-mounted, simple installation



Introduction

Our 16-Ch TVI/CVI/AHD TO Fiber Converters is universal type supporting High Definition Analog video format HD-TVI/HD-CVI/AHD, can simultaneously transmit 16 channels video and 1-ch RS485 over one core multimode or single-mode optical fiber. It also supports the regular analog video format such as PAL/NTSC/SECAM; it is a kind of universal fiber transmission solution/product for CCTV analog video/data signals. Devices are available for either standalone or rack-mount installation, which is suitable for different working environment. Electronic and optical adjustments are never required. LED indicators are provided for instantly monitoring system status.

Specification

<p>Optics</p>	<p>Wavelength: CWDM: 1310nm/1550nm/1470nm/1490nm/1570nm</p> <p>Output Power: -8~-3dBm</p> <p>Optic fiber: 50/125u multimode, 62.5/125u multimode, 9/125u single mode</p> <p>Rx sensitivity: -23dBm</p> <p>Optical connector: FC, ST, SC (optional)</p> <p>Distance: 0~550M (MM)/0~80KM (SM) (Default distance is 20Km)</p>
<p>Video</p>	<p>Number of Channels: 16</p> <p>Input/output impedance: 75 Ohm (unbalance)</p> <p>Standard video input/output voltage: 1.0Vp-p</p> <p>Video Bandwidth: 50MHz</p> <p>Sampling Bandwidth: 8bit</p> <p>Sampling Frequency: 100MHz</p> <p>Signal to noise ratio: >67dB</p> <p>Rise and Fall time: <0.8ns</p> <p>Optical Signal Intrinsic Jitter: <0.2 UI</p> <p>Differential Gain: < ±1.5%</p> <p>Differential Phase: < ±1°</p> <p>Connector: BNC</p> <p>Supporting video pixel: 1280(H)x720(V)@30Hz/1MPX</p> <p>1280(H)x720(V)@50Hz/1MPX</p> <p>1280(H)x960(V)@30Hz/1.3MPX</p> <p>1920(H)x1080(V)@30Hz/2MPX</p>
<p>Data</p>	<p>Protocol: Default: RS485 (RS232/RS422 Optional)</p> <p>Number of channels: 1</p> <p>Connector: 9pins Terminal Blocks</p>

	Data Rate: 0-200Kbps Directions: Default: Simplex from Rx to Tx (BIDI duplex optional)
Mechanical Structure & Environment	Power: DC5V 3A Power Consumption: ≤10W Working Temperature: -15°C~65°C Storage Temperature: -40°C~85°C Relative Humidity: 5%~95% (no condensation) MTBF: ≥ 100000Hours

Ordering Information

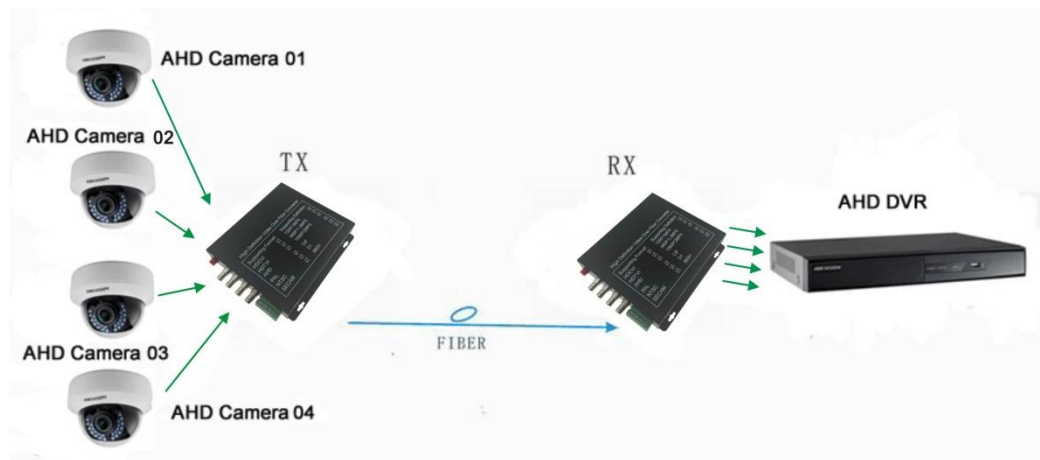
Model Number	Product Configuration	Remark	Fiber Mode	Wavelengths	Transmission Distance
SWV62600	16Ch Forward AHD Video 1080P	FC/SC/S T	Single-mod e	CWDM 1310/1470/1 490/1550nm	20Km
SWV62601	16Ch Forward AHD Video 1080P +1Ch Reverse Data	FC/SC/S T	Single-mod e	CWDM 1310/1550/1 470/1490/15 70 nm	20Km

Options	
1	standard definition/720P/1080P
2	1A ↓ 1 reverse audio
3	1A ↑ ↓ 1 bi-directional audio
4	1D ↑ 1 positive data (RS-485/422/232)
5	1D ↓ 1 reverse data (RS-485/422/232)
6	I/O 1 I/O
7	FXS/FXO 1 FXS/FXO
8	Ethernet 1 Ethernet
9	2U 16" rack, redundant power
10	4U 18" rack, redundant power

Packing information

Dimensions of products (Pcs per Tx or Rx)					
Module name	Configuration	Long (mm)	Wide (mm)	High(mm)	Volume(mm ³)
SWV62600	16-Ch video 1080P	438	173	44	3334056
SWV62601	16-Ch video 1080P + 1-Ch RS485 data	438	173	44	3334056
Shipping weight (pair/Tx+Rx & power adaptors & packages)					
Module name	Configuration	weight (kg)		Package type	
SWV62600	16-Ch video 1080P	5.25		Carton box	
SWV62601	16-Ch video 1080P + 1-Ch RS485 data	5.3		Carton box	

Typical Application



Remark

- 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 for stand-alone units is manufactured by third party. Power adapter included US, European, UK or Australian power plug.
- Please feel free to contact factory for any special requirement and customization



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Please scan our QR code for more details

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