

Video Fiber Optical Converter(AHD / TVI / CVI)

Description



SIN YU TVI/CVI/AHD TO Fiber Converters is universal type supporting High Definition Analog video format HD-TVI / HD-CVI / AHD , can simultaneously transmit 1 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.









2U CHASSIS



4U CHASSIS

Features

- Lossless non-compression real time transmission.
- Automatically identify formats of input video :
AHD/TVI/CVI/PAL/NTSC/SECAM
- Support 720P/25/30/50Hz , 960P/25/30Hz,1080P/30Hz
- Through LED indicators to inform its functional mode.
- Industrial wide range of operational temperature.
- Stand-alone or Rack-mounted, simple installation.

Draw						
Channels	1V	2V	2V+1D/1A	4V	8V	16V
Dimension (L*W*H cm) 720P	10.8×10.2×2.7	10.8×10.2×2.7	10.8×10.2×2.7	17.4×17.3×3.0	17.4×17.3×5.0	48.3×17.3×4.4
Dimension (L*W*H cm) 1080P	10.8×10.2×2.7	17.4×17.3×3.0	17.4×17.3×3.0	17.4×17.3×3.0	17.4×17.3×5.0	48.3×17.3×4.4 (19" 1U)

SY Video Fiber Optical Converters

Application: Intelligent transportation system, Connection of sub-network for surveillance center, Public security surveillance, Highway & toll station surveillance, Industrial closed circuit television surveillance.

Features: MTBF >100 thousand hours

Warranty: One year

Optics	Multi-mode: 2KM, operating wavelength@850/1310nm Single-mode: 80KM, operating wavelength@1310/1550nm	Connector type: Optional: ST/FC/SC
Input power	AC220V、DC:+5、+9、+24V	
Environment	Operating: 0°C to +60°C / Storage: -15°C to +65°C Relative Humidity < 95% (non-condensing)	
Signal Type (optional)	Video	Bandwidth: 8 MHz Coded: PAL、NTSC、SECAM (auto comply) Supporting video pixel: 1280(H)x720(V)@30Hz/1MPX 1280(H)x720(V)@50Hz/1MPX 1280(H)x960(V)@30Hz/1.3MPX 1920(H)x1080(V)@30Hz/2MPX Input / output impedance: 75 Ω(unbalance) Signal-to-noise ratio ≥67dB Differential gain <1% (typical) @ 10%-90%APL Differential phase <0.7° (typical) @ 10%-90%APL
	Data	Optional Encoded type: RS485/422/Manchester/RS232 Max. Data rate:400Kbps, BER<10 ⁻⁹
	Audio	Bandwidth: 10HZ~12KHZ Input / output impedance: 600Ω(Balance/ unbalance) Input / output voltage: 2Vp-p (typical) Input / output level: 0dBm (typical) Digital encoded bandwidth: 24bit Signal-to-noise ratio: S/N≥95dB (weighted)
	Telephone	Bandwidth: 8KHZ Support call-showing function, & H-F Operating mode: P2P hotline mode / FXS-FXO
	Ethernet	Mode: Half duplex or Full duplex Standards: IEEE802.3 Data rate : 10M / 100Mbps Bandwidth: 25M
		Connector type: BNC
		Connector type: Terminal Blocks
		Connector type: Terminal Blocks
		Connector type: RJ11
		Connector type: RJ45

Chassis type	2U Chassis	4U Chassis
Module Slots	16	18
Adapt video converters module type	1 video or 2 video	2 video + 1 data/audio/other function
	1video + 1 return/bidirectional data	4-8 video + 1 return/bidirectional data
	1 video + 1 audio	4-8 video + 1 audio
Dimensions	L422 *W291*H91 mm; 19 inches 2U	L483*W313* H177 mm; 19 inches 4U

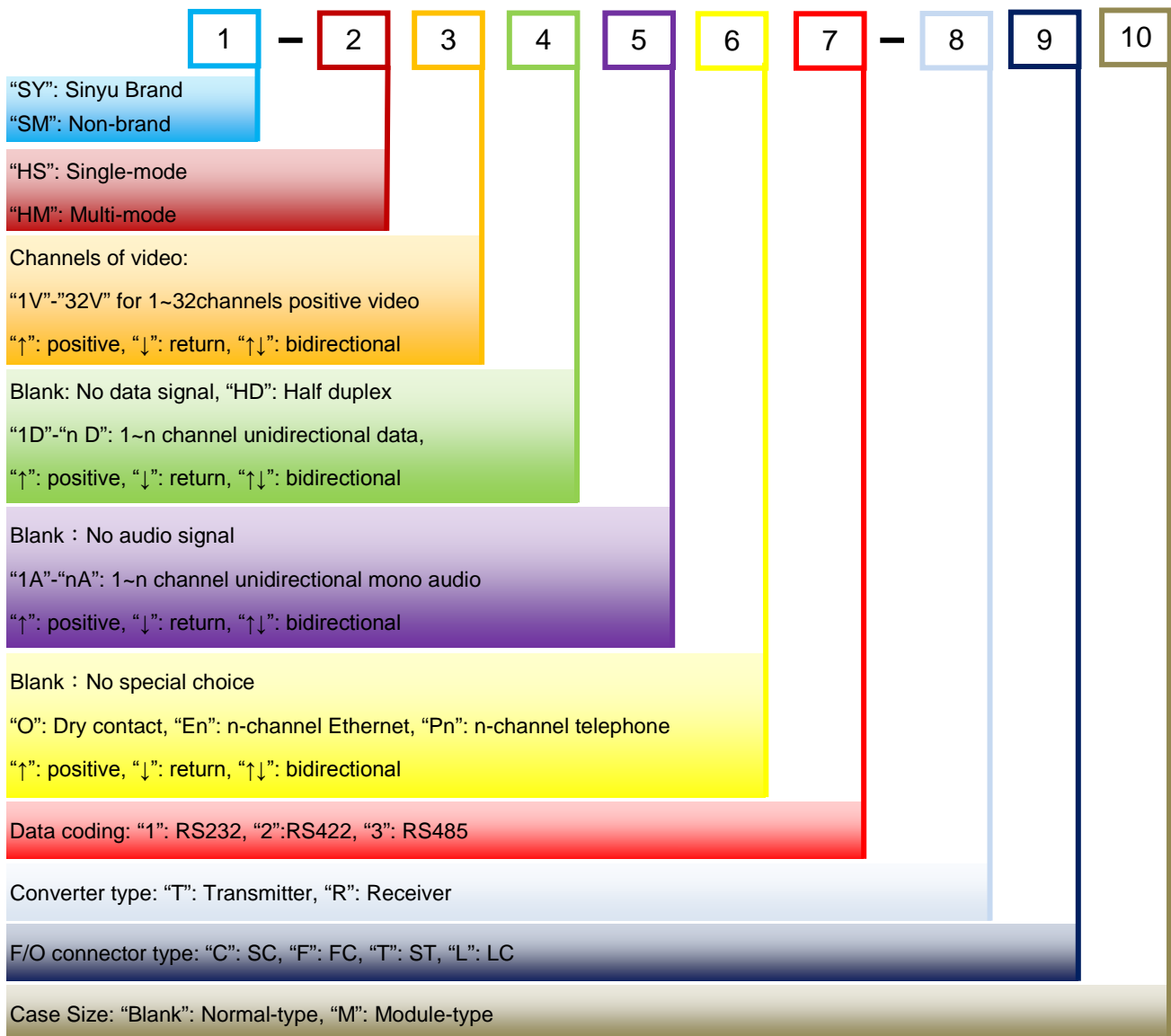
Net Weight	5.5Kg	8.15Kg
Material	Aluminum	
Rack Power	Input: AC 100V~260V, Output: DC5V 20A	

Ordering information:

<Video/Data/Audio/Ethernet/Telephone Multiplexer>

Example:

- ◆ **SY-HS 4V↑ 1D↓ 1A↑ 1En 3-T F M**, means: Sinyu branded, single mode optical transmission, positive 4 video channels, return 1 data signal, positive 1 audio channel, 1 Ethernet, RS485 coding, Transmitter, FC connector, module-type.
- ◆ **SM-HS 8V↑↓ 1-RT**, means: non-brand, single mode, 8 video channel bidirectional, RS232 coding, Receiver, ST connector, Normal type.



- **Positive direction: Signal transmit from Camera to Monitor.**
- **Return direction: Signal transmit from Monitor to Camera.**