

## **1Ch HD-AHD/HD-CVI/HD-TVI/CVBS 4-in-1 Video Fiber Converter**

**Model: SC-1ACT-2MP**



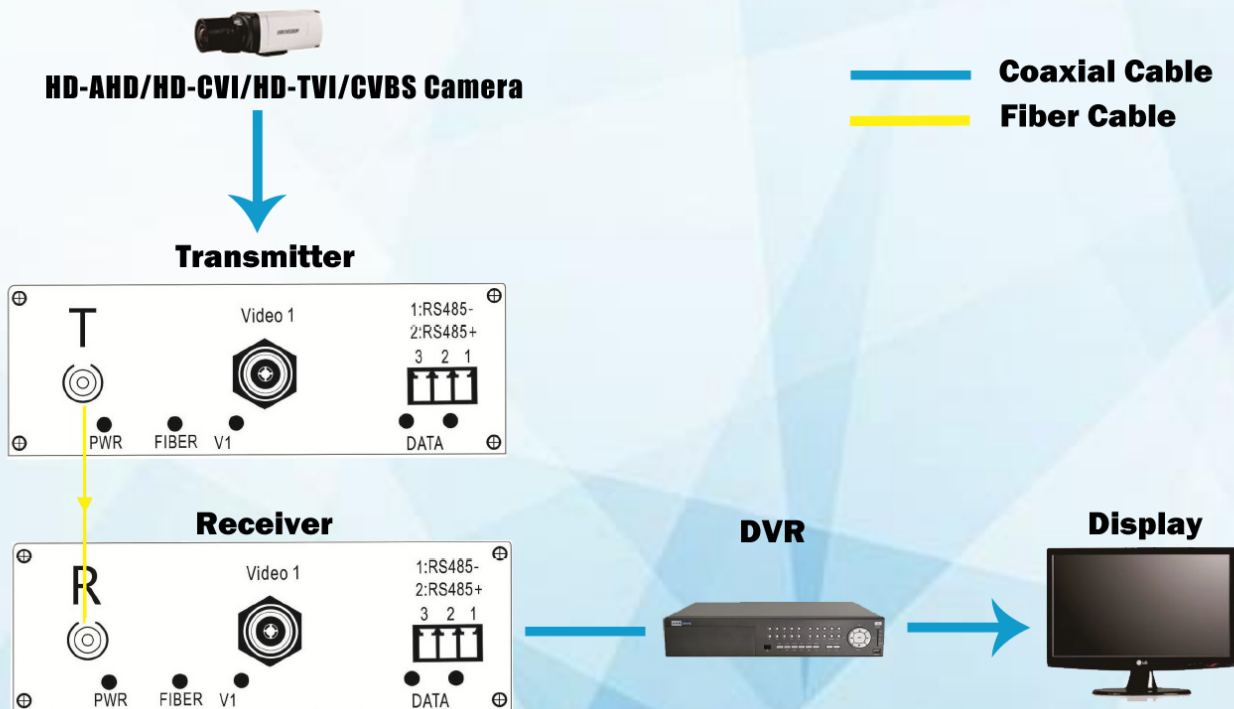
HD-AHD/HD-CVI/HD-TVI/CVBS 4-in-1 Video Fiber Converter adopt the advanced uncompressed HD composite video and high velocity digital optical transmission technologies which convert the AHD, HDCVI, HD-TVI or CVBS composite signals to optical signals to achieve long distance (as far as 120Km) transmission through fibers. 1Ch AHD/CVI/TVI/CVBS Fiber optic transceiver can simultaneously transmit 1 channels AHD, HD-CVI, HD-TVI or CVBS Video over one multimode or single-mode optical fiber. Electronic and optical adjustments are never required. LED indicators are provided for instantly monitoring system status. Devices are available for either standalone or rack-mount installation, which is suitable for different working environment. It supports input video format as 25/30/50/60fps@720P & 25/30fps@1080P.

### **Features**

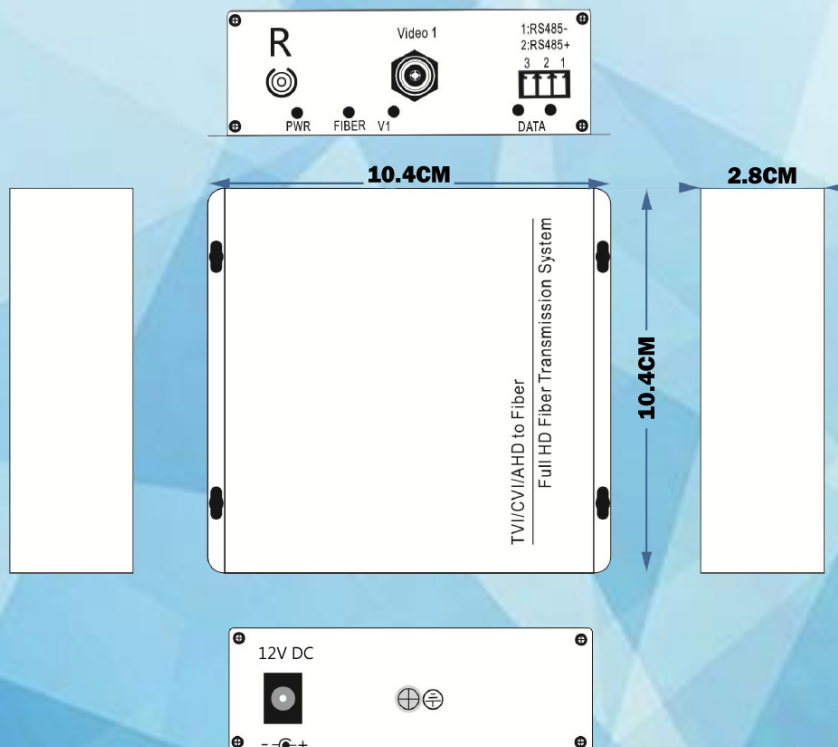
- \* Non-compression coding technology
- \* Automatically identify formats of input videos.
- \* Support transmission of combined AHD, HDCVI, HD-TVI or CVBS signal and controlling PTZ data RS485 simultaneously through fiber optical cable
- \* Support 720p/50, 720p/60, 1080p/25, 1080p/30 videos etc.
- \* Through LED indicators to inform its functional mode
- \* Industrial wide range of operational temperature
- \* Plug and play, simple installation.
- \* Wide-range temperature application: -15°C ~65°C

## Application

- \* City traffic monitoring system
- \* Public security, safe city monitoring system
- \* Highway security protection, charging system
- \* Building, campus monitoring net
- \* Industrial monitoring (airport, chemical industrial, steel, oil, railway, water conservancy, mine, etc)
- \* Military monitoring (storehouse, frontier defense, guard, nation defense, etc)
- \* Electric power, oilfield, television program transmission system
- \* Gymnasium (live video, audio transmission)



## Dimension



## Technical Indexes

<b>Optical Fiber</b>	
Wavelength	WDM:1310nm/1550nm
Output Power	-8~3dBm
Optic fiber	50/125u multimode, 62.5/125u multimode, 9/125u single mode
Rx sensitivity	-26dBm
Optical connector	-ST
Transmission Distance	0~550M (MM) / 0~80KM (SM) (Default distance is 20Km)
<b>Video</b>	
Number of Channels	1
Input/output impedance	75 Ohm (unbalance)
Standard video input/output voltage	1.0Vp-p
Video Bandwidth	50MHz
Sampling Bandwidth	8bit
Sampling Frequency	108MHz
Signal to noise ratio	>67dB
Rise and Fall time	<0.8ns
Optical Signal Intrinsic	<0.2 UI
<b>Jitter</b>	
Differential Gain	< ±1.5%
Differential Phase	< ±1°
Connector	BNC
Supporting video pixel/Resolution	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
<b>PTZ Data</b>	
Protocol	Default: RS485 (RS232/RS422 Optional)
Number of channels	1
Connector	3pins Terminal Blocks
Data Rate	0-200Kbps
Directions	Default: Simplex from Rx to Tx (BIDI duplex optional)
<b>Environmental</b>	
Operating Temperature:	-15°C to 65°C (5°F to 149°F)
Storage Temperature:	-40°C to 85°C (-40°F to 185°F)
Relative Humidity:	5% to 95% non-condensing
MTBF	> 100,000 hrs
<b>Electrical and Mechanical</b>	
Input Power	12V DC
Power Consumption	≤6W
<b>LED Indicators</b>	
Fiber	Fiber Status
Video	LED
Data	Data status
PWR	Power Status
Weight	1Kg (720P) , 1KG(1080P)
Casing	Metal Case
Mounting Options	Wall-mount/Rack-mount
Dimensions (mm)	104 (W) x 28 (H) x 104 (D)
<b>Regulatory Approvals</b>	ISO9001, CE, RoHS and FCC