⊛WIZARD

HD-CVI/TVI/AHD to Fiber Converter

The converter can simultaneously transmit 1-16 channels HD-CVI/TVI/AHD over one multimode or single-mode optical fiber. LED indicates instantly monitoring system status. Devices are available for either standalone or rack-mount installation, which is suitable for different working environment.Compatible with AHD-H,AHD-M,AHD-L. It is without loss and non-compression real time transmission.
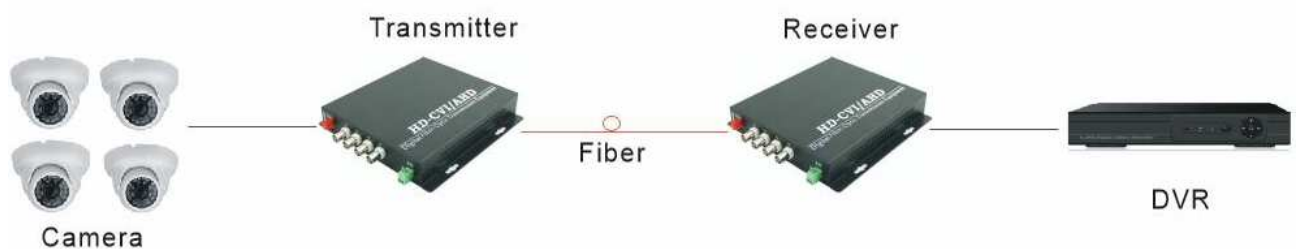
Feature
> Non-compression coding technology.
> Automatically identify formats of input videos.
> Support 1~16ch AHD signal and controlling data simultaneously through coaxial cable.
> DC 5V power supply.
> Support 720p/25,720p/30,720p/50,720p/60,1080p/25,1080p/30 video etc.
> Through LED indicators to inform its functional mode.
> Industrial wide range of operational temperature.
> Plug and play, simple installation.

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)

System Connection Diagram

Technical Specification

Feature	Description	
Optical	Fiber Type	Multi-mode fiber or Single mode fiber
	Fiber Connector	FC/ST/SC
	Distance	0~80km (Optional)
	Wavelength	Transmitter Tx1310nm, Rx1550nm. Receiver Tx1550nm,Rx1310nm.
Tx	Input level	>500mVp-p
	self-adaption cable equilibrium	1080p:75-5 coaxial cable,300m 720p:75-5 coaxial cable,500m
	Input/Output Impedance	75Ω
	Physical Interface	1/2/4/8 channel BNC connector
Rx	Output level	1Vp-p
	Input/Output Impedance	75Ω
	Physical Interface	1/2/4/8 channel BNC connector
Data	Transmission Media	Coaxial cable
	Baud Rate	1200～9600bit/s
	Bit Error Rate	$\leqq 10$
	Operation Mode	Half-Duplex
	Indicators	LOS,PWR,DATA,VIDEO
	Mean time between failures (MTBF)	＞100 000 hours
General	EPS	DC5V
	Power Consumption	$\leqq 5W$
	Operation Temperature	-40℃～75℃
	Operation Humidity	10%～90%
	Atmospheric Pressure	86kpa~106kpa
	Mounting Method	Wall-mounted

Ordering Information

(Single Fiber, Single mode, FC, 20km Transmitter and Receiver)

Model	Description
ON-H1VF-T/R	1ch HD-CVI/TVI/AHD 720P
ON-H1V1DF-T/R	1ch HD-CVI/TVI/AHD 720P, 1ch Reverse RS485 Data
ON-H2VF-T/R	2ch HD-CVI/TVI/AHD 720P
ON-H2V1DF-T/R	2ch HD-CVI/TVI/AHD 720P, 1ch Reverse RS485 Data
ON-H4VF-T/R	4ch HD-CVI/TVI/AHD 720P
ON-H4V1DF-T/R	4ch HD-CVI/TVI/AHD 720P, 1ch Reverse RS485 Data
ON-H8VF-T/R	8ch HD-CVI/TVI/AHD 720P
ON-H8V1DF-T/R	8ch HD-CVI/TVI/AHD 720P, 1ch Reverse RS485 Data
ON-H16VF-T/R	16ch HD-CVI/TVI/AHD 720P
ON-H16V1DF-T/R	16ch HD-CVI/TVI/AHD 720P, 1ch Reverse RS485 Data
ON-HD1VF-T/R	1ch HD-CVI/TVI/AHD 1080P
ON-HD1V1DF-T/R	1ch HD-CVI/TVI/AHD 1080P, 1ch Reverse RS485 Data
ON-HD2VF-T/R	2ch HD-CVI/TVI/AHD 1080P
ON-HD2V1DF-T/R	2ch HD-CVI/TVI/AHD 1080P, 1ch Reverse RS485 Data
ON-HD4VF-T/R	4ch HD-CVI/TVI/AHD 1080P
ON-HD4V1DF-T/R	4ch HD-CVI/TVI/AHD 1080P, 1ch Reverse RS485 Data
ON-HD8VF-T/R	8ch HD-CVI/TVI/AHD 1080P
ON-HD8V1DF-T/R	8ch HD-CVI/TVI/AHD 1080P, 1ch Reverse RS485 Data
ON-HD16VF-T/R	16ch HD-CVI/TVI/AHD 1080P
ON-HD16V1DF-T/R	16ch HD-CVI/TVI/AHD 1080P, 1ch Reverse RS485 Data

1080P 1V

1080P 2V

1080P 4V

1080P 8V

1080P 16V