HANUTECH SOULUTIONS

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HD-CVI/TVI/AHD 1CH. BNC Video 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 environments. It is without loss and non-compression real time transmission.

Feature

- Non-compression coding technology.
- Automatically identify formats of input videos.
- Support 1~16ch HD-CVI/TVI/AHD signal and controlling data simultaneously
- through coaxial cable.
- Support 720p/25,720p/30,720p/50,720p/60,960p,1080p/25,1080p/30 video etc.
- 8-bit digitally encoded and non-compression broadcast quality video transmission
- Power supply and other parameter state indication, which can monitor the operation condition of system
- Support no-damage regenerative trunk of video
- Constant input optical power, and large dynamic range ,no Electrical or Optical Adjustments Required
- Stand-alone type or card-type installed in 19" 2U or 4U rack-mount chassis
- 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)

> 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	≦10
	Operation Mode	Half-Duplex
	Indicators	LOS,PWR,DATA,VIDEO
	Mean time between failures (MTBF)	> 100 000 hours
General	EPS	DC5V
	Power Consumption	≦5W
	Operation Temperature	-40℃ ~ 75℃
	Operation Humidity	10% ~ 90%
	Atmospheric Pressure	86kpa~106kpa
	Mounting Method	Wall-mounted

> Specification of Customized Functions

Data	Physical interface: Industrial standard terminal Encoded type: RS485/RS422/RS232/Manchester Data Rate: DC~300Kbps Operating mode: Reverse simplex/half-duplex BER: < 10-9
Audio	Connector: Terminal Blocks Audio input / output impedance: 600Ω(Balance/ unbalance) Audio input / output voltage: 2Vp-p (typical value) Audio input / output level: 0dBm (typical value) Video bandwidth: 20HZ~20KHZ Audio digital encoded bandwidth: 24bit Audio signal-to-noise ratio: S/N≥85dB

Telephone	Connector: RJ11 Bandwidth: 8KHZ Features: Support call-showing function ;support H-F Operating mode: Point to point hot-line mode / FXS-FXO
Ethernet	Connector: RJ45 Support mode: Half duplex or Full duplex Standards: IEEE802.3 Data rate: 10M / 100Mbps Bandwidth: 25M
Contact Closure	Physical connector: Industrial standard connector port Alarm output: Support any type of active or passive alarm output Data Interface: Support TTL, RS232/485/422 or relay output
Optical Budget	Multi-mode / 20dBm / 2KM Single mode / 20dBm / 20KM Single mode / 22dBm / 40KM Single mode / 25dBm / 60KM