UPCOM

AHD/CVI/TVI To Fiber Converters   CHD0101-720

◆ **1 channel AHD/CVI/TVI to fiber converter (720P) with 1ch RS485 data**

➢ Features

- Lossless non-compression real time transmission;
- Automatically identify formats of input video: AHD/TVI/CVI/PAL/NTSC/SECAM;
- Support 720P/25/30/50Hz；
- 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；
- Support user customization and OEM；
- Compatible with AHD/CVI/TVI Cameras.

➢ Introduction

CHD0101-720 is universal type supporting High Definition Analog video format HD-TVI / HD-CVI / AHD , can simultaneously transmit 1 channel 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.

➢ Application Industries

- HD monitor transmission and power supply
- Wireless AP layout transmission and power supply
- Network telephone transmission , intelligent house and home system
- Intelligent transportation supervisory system (ITS)
- High-speed Way supervisory/Tele-Communication System
- Security protection system, TV medical treatment
- Long-distance Multi-media Schooling, Campus monitoring
- Long-distance broadcast television transmission system
- High-building Security Protection, Military Tele-Com project

➢ Specification

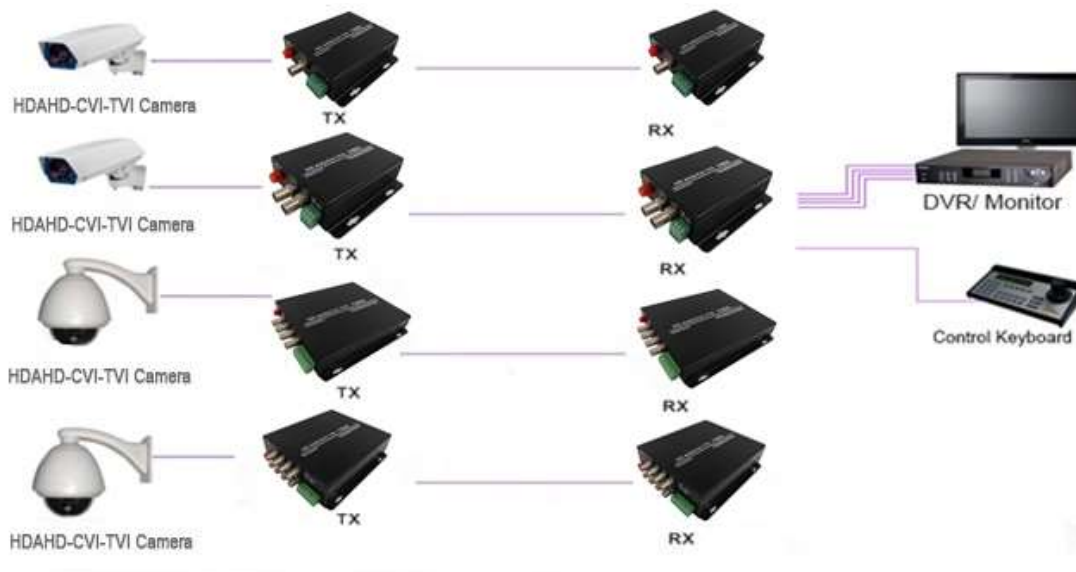| Video	
Number of Channels	1
Input/output impedance	75 Ohm (unbalance)
Standard video input/output voltage	1.0Vp-p
Video Bandwidth	50MHz
Sampling Bandwidth	8bit
Sampling Frequency	108MHz
Signal to noise ratio	>67dB
Rise and Fall time	<0.8ns
Optical Signal Intrinsic Jitter	<0.2 UI
Differential Gain	< ±1.5%
Differential Phase	< ±1°
Connector	BNC
Supporting video pixel	1280(H)x720(V)@30Hz/1MPX 1280(H)x720(V)@50Hz/1MPX
Optics	
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	FC/ST/SC (optional)
Distance	0~550M (MM) / 0~80KM (SM) (Default distance is 20Km)
Data	
Protocol	Default :RS485 (RS232/RS422 Optional)
Number of channels	1
Connector	5 pins Terminal Blocks
Data Rate	0-200Kbps
Directions	Default :Simplex from Rx to Tx (BIDI duplex optional)
Others	
Power	DC5V 2A
Power Consumption	≤6W
Working Temperature	-15ºC ~65ºC
Storage Temperature	-40ºC ~85ºC
Size (W×H×D)	108mm*102mm*27mm
Packing Size	301mm*247mm*61mm
Weight	1kg
MTBF	≥ 100000Hours
Warranty	3 years

➢ Application

➢ Ordering Information

Model NO.	Description
CHD0100-720	1 channel AHD/CVI/TVI to fiber converter,720P, DC5V2A
CHD0101-720	1 channel AHD/CVI/TVI with 1ch RS485 Data to fiber converter,720P, DC5V2A

➢ Packing List

- AHD/CVI/TVI to fiber converter（transmitter+receiver）
- Power adaptor x 2
- User manual x 1
- Certificate of quality x 1
- Warranty card x 1