



◆ 1 channel AHD/CVI/TVI to fiber converter (1080P)

➤ Features

- Aluminum alloy shell, wall mount or 2U chassis
- Support 1280*720P,1280*960P,1920*1080P
- All interface adopt three grade anti-static, lightning protection
- Wide optical dynamic range and advanced adaptive technology, transmission distance can reach up to 60Km
- Surface mount devices ensure products high stability, high reliability
- Low electromagnetic interference (EMI) and radio frequency interference (RFI)
- Abundant LED indicators, diagnostic indication
- Plug and Play, hot plugged
- Small size, low power consumption, strong interference resistance
- Industry-grade of operating temperature from -40 ℃ to 75 ℃ , which is applied to the different working environment
- Support user customization and OEM
- Compatible with AHD/CVI/TVI Cameras



➤ Introduction

CHD0100-1080 can transmit 1 channel AHD/CVI/TVI 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. Compatible with 1280*720P, 1280*960P, 1920*1080P AHD/CVI/TVI Cameras. Lossless non-compression real time transmission

➤ Application

- Intelligent Transportation System
- Connection of Sub-network for Surveillance Center
- Public Security Surveillance
- High Way & Toll Station Surveillance
- Industrial Closed Circuit Television Surveillance
- Military monitoring (warehouses, border guards, defense)



➤ Specification

Optical	
Wavelength	1310nm&1550nm
Output Power	-8~3dBm
Optic fiber	50/125u multimode, 62.5/125u multimode, 9/125u single mode
Rx sensitivity	-22dBm
Optical connector	FC,ST,SC (optional)
Distance	0~500M (multi mode) / 20,40,60Km (Single mode)
Video	
Number of Channels	1
Input/output impedance	BNC 75Ω OHM(unbalance)
Standard video input/output voltage	1.0Vp-p
Video Bandwidth	60MHz
Sampling Bandwidth	8bit
Sampling Frequency	120MHz
Rise and Fall time	<0.8ns
Optical Signal Intrinsic Jitter	<0.2 UI
Differential Gain	< ±1.5%
Differential Phase	< ±1 °
Connector	BNC
Other	
Power	DC5V 2A
Power Consumption	5W
Temperature	-40 ℃ ~75 ℃
Humidity	10%~90% RH
Unit Weight	0.5Kg(pair)
Dimension	110mm×87mm×30mm
Installation	Wall mount or 2U 19" chassis
MTBF	Greater than or equal≥ 100000Hours

➤ Ordering Information

Model NO.	Description
CHD0100-1080	1 channel AHD/CVI/TVI to fiber converter,1080P
CHD0101-1080	1 channel AHD/CVI/TVI with 1channel Reverse RS485 Data to fiber converter,1080P

➤ Dimension



➤ Connection diagram

