



◆ 16 channels AHD/CVI/TVI to fiber converter (1080P)

➤ Features

- Iron shell, 1U 19" 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

CHD1600-1080 can simultaneously transmit 16 channels 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 | -20dBm |
| Optical connector | FC,ST,SC (optional) |
| Distance | 0~500M (multi mode) / 20,40,60Km (Single mode) |
| Video | |
| Number of Channels | 16 |
| Input/output impedance | BNC 75Ω OHM(unbalance) |
| Standard video input/output voltage | 1.0Vp-p |
| Video Bandwidth | 60MHz |
| Sampling Bandwidth | 10bit |
| 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 | AC220V |
| Power Consumption | 5W |
| Temperature | -40 ℃ ~75 ℃ |
| Humidity | 10%~90% RH |
| Unit Weight | 3.5Kg(pair) |
| Dimension | 485×185×43mm |
| Installation | 1U 19" chassis |
| MTBF | Greater than or equal≥ 100000Hours |

➤ Ordering Information

| Model NO. | Description |
|--------------|--|
| AHD1600-1080 | 16 channels AHD/CVI/TVI to fiber converter, 1080P |
| AHD1601-1080 | 16 channels AHD/CVI/TVI with 1channel Reverse RS485 Data to fiber converter, 1080P |

➤ Dimension



➤ Connection diagram

