

## FCC Series

### HD-CVI/AHD/TVI/CVBS Fiber Optic Video Converter



- \* Available for 1/2/4/8/16 channels
- \* Support up to 2.4MP cameras
- \* Single Fiber FC connector
- \* Support both Singlemode & Multimode
- \* Available for RS485 connection
- \* Wavelength: 1310nm & 1550nm
- \* Max distance 500m (Multimode)
- \* Max distance 5km (Single mode)
- \* DC5V 2A powered

## System Overview

FCC fiber converter can simultaneously transmit 1-16 channels HD-CVI/TVI/AHD/CVBS(960H) 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. Compatible with 1080P resolution.

## Features

- \* Self-adaptive output HD-CVI/TVI/AHD/CVBS signal
- \* Loss-less real time non-compression transmission
- \* LED indicators
- \* Fully enclosed dust-proof design
- \* With RS485 connection for vari-focal / PTZ cameras
- \* 1080P resolution
- \* Connection : Fiber (FC) to Coaxial (BNC)

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### Specifications :

#### Optical

|                   |                                                            |
|-------------------|------------------------------------------------------------|
| Wavelength        | 1310nm & 1550nm                                            |
| Output Power      | -8 to 3 dBm                                                |
| Optic Fiber       | 50/125u multimode, 62.5/125u multimode, 9/125u single mode |
| Rx Sensitivity    | -25dBm                                                     |
| Optical Connector | FC (default)/ST/SC                                         |
| Distance          | 0-550M (MM) / 0-5000M (SM)                                 |

#### Video

|                                 |                     |
|---------------------------------|---------------------|
| Number of Channels              | 1, 2, 4, 8, 16      |
| Input/output impedance          | BNC 75Ω (unbalance) |
| Standard video in/out Voltage   | 1.0Vp-p             |
| Video Bandwidth                 | 45MHz               |
| Sampling Bandwidth              | 10bit               |
| Sampling Frequency              | 108MHz              |
| 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 | ≤6W             |
| Temperature       | -40°C ~ 75°C    |
| Humidity          | 10%~90% RH      |
| Installation      | Wall mount      |
| MTBF              | ≥ 100,000 hours |

#### Order Information

| Part Number | Description                                                   |
|-------------|---------------------------------------------------------------|
| FCC1001S    | 1ch video only, single fiber (FC), MM & SM, Tx & Rx           |
| FCC1001S-D  | 1ch video only, w/RS485, single fiber (FC), MM & SM, Tx & Rx  |
| FCC1002S    | 2ch video only, single fiber (FC), MM & SM, Tx & Rx           |
| FCC1002S-D  | 2ch video only, w/RS485, single fiber (FC), MM & SM, Tx & Rx  |
| FCC1004S    | 4ch video only, single fiber (FC), MM & SM, Tx & Rx           |
| FCC1004S-D  | 4ch video only, w/RS485, single fiber (FC), MM & SM, Tx & Rx  |
| FCC1008S    | 8ch video only, single fiber (FC), MM & SM, Tx & Rx           |
| FCC1016S-D  | 16ch video only, w/RS485, single fiber (FC), MM & SM, Tx & Rx |