



# CATALOG

AHD,CVI,TVI

HD Video Fiber Converter

Compatible detail as below.  
 AHD-L stands for 960H  
 AHD-M stands for 720P  
 AHD-H stands for 1080P



## AHD To Fiber Converters



BC-AHD0100 BC-AHD0101 BC-AHD0200 BC-AHD0201 BC-AHD0400 BC-AHD0401 BC-AHD0800 BC-AHD0801 BC-AHD1600

### Features

- Aluminum alloy shell, wall mount or 2U/4U chassis
- Support AHD-H, AHD-M, AHD-L
- 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°C to 75°C ,
- which is applied to the different working environment

### Introduction

AHD TO Fiber Converter can simultaneously transmit 1,2,4,8 and 16 channels AHD 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 AHD-H,AHD-M,AHD-L. 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)

### Optical

Wavelength	1310nm&1550nm
Output Power	-8~3dBm
Optic fiber	50/125u multimode, 62.5/125u multimode, 9/125u single mode
Rx sensitivity	-25dBm
Optical connector	FC,ST,SC (optional)
Distance	0~500m (multi mode) / 0~20Km (Single mode)

### Video

Number of Channels	1,2,4,8,16
Input/output impedance	BNC 75Ω OHM(unbalance)
Standard video input/output 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	1 Channel	2/4 Channel	8 Channel	16 Channel
Power	DC5V 2A	DC5V 2A	DC5V 3A	AC220V
Power Consumption	5W	5W	7.5W	15W
Temperature	-40°C ~75°C	-40°C ~75°C	-40°C ~75°C	-40°C ~75°C
Humidity	10%~90% RH	10%~90% RH	10%~90% RH	10%~90% RH
Unit Weight	0.75Kg(pair)	0.75Kg(pair)	1.5Kg(pair)	7.5Kg(pair)
Dimension	103mm×103mm×27mm	175mm×153mm×28mm	167mm×153mm×44mm	483×270×48mm
Installation	Wall mount or 2U Chassis	Wall mount or 2U Chassis	Wall mount or 4U Chassis	1U 19" Chassis
MTBF	Greater than or equal≥ 100000Hours	Greater than or equal≥ 100000Hours	Greater than or equal≥ 100000Hours	Greater than or equal≥ 100000Hours

### HD AHD to fiber converters

Model Name	Description	Fiber Port	Resolution	Units
BC-AHD0100-720(VT/VR)	1channel AHD to fiber converter	Singlemode	720P	pair
BC-AHD0101-720(VT/VR)	1 channel AHD with 1channel Reverse RS485 Data to fiber converter	Singlemode	720P	pair
BC-AHD0200-720(VT/VR)	2 channels AHD to fiber converter	Singlemode	720P	pair
BC-AHD0201-720(VT/VR)	2 channels AHD with 1channel Reverse RS485 Data to fiber converter	Singlemode	720P	pair
BC-AHD0400-720(VT/VR)	4 channels AHD to fiber converter	Singlemode	720P	pair
BC-AHD0401-720(VT/VR)	4 channels AHD with 1channel Reverse RS485 Data to fiber converter	Singlemode	720P	pair
BC-AHD0800-720(VT/VR)	8 channels AHD to fiber converter	Singlemode	720P	pair
BC-AHD0801-720(VT/VR)	8 channels AHD with 1channel Reverse RS485 Data to fiber converter	Singlemode	720P	pair
BC-AHD1600-720(VT/VR)	16 channels AHD to fiber converter	Singlemode	720P	pair
BC-AHD1601-720(VT/VR)	16 channels AHD with 1channel Reverse RS485 Data to fiber converter	Singlemode	720P	pair

### HD AHD to fiber converters

Model Name	Description	Fiber Port	Resolution	Units
BC-AHD0100-1080(VT/VR)	1channel AHD to fiber converter	Singlemode	1080P	pair
BC-AHD0101-1080(VT/VR)	1 channel AHD with 1channel Reverse RS485 Data to fiber converter	Singlemode	1080P	pair
BC-AHD0200-1080(VT/VR)	2 channels AHD to fiber converter	Singlemode	1080P	pair
BC-AHD0201-1080(VT/VR)	2 channels AHD with 1channel Reverse RS485 Data to fiber converter	Singlemode	1080P	pair
BC-AHD0400-1080(VT/VR)	4 channels AHD to fiber converter	Singlemode	1080P	pair
BC-AHD0401-1080(VT/VR)	4 channels AHD with 1channel Reverse RS485 Data to fiber converter	Singlemode	1080P	pair
BC-AHD0800-1080(VT/VR)	8 channels AHD to fiber converter	Singlemode	1080P	pair
BC-AHD0801-1080(VT/VR)	8 channels AHD with 1channel Reverse RS485 Data to fiber converter	Singlemode	1080P	pair
BC-AHD1600-1080(VT/VR)	16 channels AHD to fiber converter	Singlemode	1080P	pair
BC-AHD1601-1080(VT/VR)	16 channels AHD with 1channel Reverse RS485 Data to fiber converter	Singlemode	1080P	pair

## CVI To Fiber Converters



BC-CVI0100 BC-CVI0101 BC-CVI0200 BC-CVI0201 BC-CVI0400 BC-CVI0401 BC-CVI0800 BC-CVI0801 BC-CVI1601

### Features

- Aluminum alloy shell, wall mount or 2U/4U chassis
- 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°C to 75°C , which is applied to the different working environment

### Introduction

HDCVI optic transceiver can transmit 1 channel HDCVI 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 1280H/25f, 1280H/30f, 1280H/50f, 1280H/60f. 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)

### 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) / 0~20Km (Single mode)

### Video

Number of Channels	1,2,4,8,16
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	1 Channel	2/4Channel	8 Channel	16 Channel
Power	DC5V 2A	DC5V 2A	DC5V 3A	AC220V
Power Consumption	5W	5W	7.5W	15W
Temperature	-40°C ~75°C	-40°C ~75°C	-40°C ~75°C	-40°C ~75°C
Humidity	10%~90% RH	10%~90% RH	10%~90% RH	10%~90% RH
Unit Weight	0.75Kg(pair)	0.75Kg(pair)	1.5Kg(pair)	7.5Kg(pair)
Dimension	103mm×103mm×27mm	175mm×153mm×28mm	167mm×153mm×44mm	483×270×48mm
Installation	Wall mount or 2U 19"Chassis	Wall mount or 4U 19"Chassis	Wall mount or 4U 19"Chassis	1U 19"Chassis
MTBF	Greater than or equal≥ 100000Hours	Greater than or equal≥ 100000Hours	Greater than or equal≥ 100000Hours	Greater than or equal≥ 100000Hours

### HD AHD to fiber converters

Model Name	Description	Fiber Port	Resolution	Units
BC-CVI0100-720(VT/VR)	1channel CVI to fiber converter	Singlemode	720P	pair
BC-CVI0101-720(VT/VR)	1 channel CVI with 1channel Reverse RS485 Data to fiber converter	Singlemode	720P	pair
BC-CVI0200-720(VT/VR)	2 channels CVI to fiber converter	Singlemode	720P	pair
BC-CVI0201-720(VT/VR)	2 channels CVI with 1channel Reverse RS485 Data to fiber converter	Singlemode	720P	pair
BC-CVI0400-720(VT/VR)	4 channels CVI to fiber converter	Singlemode	720P	pair
BC-CVI0401-720(VT/VR)	4 channels CVI with 1channel Reverse RS485 Data to fiber converter	Singlemode	720P	pair
BC-CVI0800-720(VT/VR)	8 channels CVI to fiber converter	Singlemode	720P	pair
BC-CVI0801-720(VT/VR)	8 channels CVI with 1channel Reverse RS485 Data to fiber converter	Singlemode	720P	pair
BC-CVI1600-720(VT/VR)	16 channels CVI to fiber converter	Singlemode	720P	pair
BC-CVI1601-720(VT/VR)	16 channels CVI with 1channel Reverse RS485 Data to fiber converter	Singlemode	720P	pair

### HD AHD to fiber converters

Model Name	Description	Fiber Port	Resolution	Units
BC-CVI0100-1080(VT/VR)	1channel CVI to fiber converter	Singlemode	1080P	pair
BC-CVI0101-1080(VT/VR)	1 channel CVI with 1channel Reverse RS485 Data to fiber converter	Singlemode	1080P	pair
BC-CVI0200-1080(VT/VR)	2 channels CVI to fiber converter	Singlemode	1080P	pair
BC-CVI0201-1080(VT/VR)	2 channels CVI with 1channel Reverse RS485 Data to fiber converter	Singlemode	1080P	pair
BC-CVI0400-1080(VT/VR)	4 channels CVI to fiber converter	Singlemode	1080P	pair
BC-CVI0401-1080(VT/VR)	4 channels CVI with 1channel Reverse RS485 Data to fiber converter	Singlemode	1080P	pair
BC-CVI0800-1080(VT/VR)	8 channels CVI to fiber converter	Singlemode	1080P	pair
BC-CVI0801-1080(VT/VR)	8 channels CVI with 1channel Reverse RS485 Data to fiber converter	Singlemode	1080P	pair
BC-CVI1600-1080(VT/VR)	16 channels CVI to fiber converter	Singlemode	1080P	pair
BC-CVI1601-1080(VT/VR)	16 channels CVI with 1channel Reverse RS485 Data to fiber converter	Singlemode	1080P	pair

Compatible detail as below.  
 AHD-L stands for 960H  
 AHD-M stands for 720P  
 AHD-H stands for 1080P



## TVI To Fiber Converters



BC-TVI0100 BC-TVI0101 BC-TVI0200 BC-TVI0201 BC-TVI0400 BC-TVI0401 BC-TVI0800 BC-TVI0801 BC-TVI1601

### Features

- Aluminum alloy shell, wall mount or 2U/4U chassis
- 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°C to 75°C , which is applied to the different working environment
- Compatible with TVI,CVI,AHD

### 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) / 0~20Km (Single mode)

### Video

Number of Channels	1,2,4,8,16
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 / Coaxial cable Distance	BNC / 350meters

Other	1 Channel	2/4Channel	8 Channel	16 Channel
Power	DC5V 2A	DC5V 2A	DC5V 3A	AC220V
Power Consumption	5W	5W	7.5W	15W
Temperature	-40°C ~75°C	-40°C ~75°C	-40°C ~75°C	-40°C ~75°C
Humidity	10%~90% RH	10%~90% RH	10%~90% RH	10%~90% RH
Unit Weight	0.75Kg(pair)	0.75Kg(pair)	1.5Kg(pair)	7.5Kg(pair)
Dimension	103mm×103mm×27mm	175mm×153mm×28mm	167mm×153mm×44mm	483×270×48mm
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### HD AHD to fiber converters

Model Name	Description	Fiber Port	Resolution	Units
BC-TVI0100-720(VT/VR)	1channel TVI to fiber converter	Singlemode	720P	pair
BC-TVI0101-720(VT/VR)	1 channel TVI with 1channel Reverse RS485 Data to fiber converter	Singlemode	720P	pair
BC-TVI0200-720(VT/VR)	2 channels TVI to fiber converter	Singlemode	720P	pair
BC-TVI0201-720(VT/VR)	2 channels TVI with 1channel Reverse RS485 Data to fiber converter	Singlemode	720P	pair
BC-TVI0400-720(VT/VR)	4 channels TVI to fiber converter	Singlemode	720P	pair
BC-TVI0401-720(VT/VR)	4 channels TVI with 1channel Reverse RS485 Data to fiber converter	Singlemode	720P	pair
BC-TVI0800-720(VT/VR)	8 channels TVI to fiber converter	Singlemode	720P	pair
BC-TVI0801-720(VT/VR)	8 channels TVI with 1channel Reverse RS485 Data to fiber converter	Singlemode	720P	pair
BC-TVI1600-720(VT/VR)	16 channels TVI to fiber converter	Singlemode	720P	pair
BC-TVI1601-720(VT/VR)	16 channels TVI with 1channel Reverse RS485 Data to fiber converter	Singlemode	720P	pair

### HD AHD to fiber converters

Model Name	Description	Fiber Port	Resolution	Units
BC-TVI0100-1080(VT/VR)	1channel TVI to fiber converter	Singlemode	1080P	pair
BC-TVI0101-1080(VT/VR)	1 channel TVI with 1channel Reverse RS485 Data to fiber converter	Singlemode	1080P	pair
BC-TVI0200-1080(VT/VR)	2 channels TVI to fiber converter	Singlemode	1080P	pair
BC-TVI0201-1080(VT/VR)	2 channels TVI with 1channel Reverse RS485 Data to fiber converter	Singlemode	1080P	pair
BC-TVI0400-1080(VT/VR)	4 channels TVI to fiber converter	Singlemode	1080P	pair
BC-TVI0401-1080(VT/VR)	4 channels TVI with 1channel Reverse RS485 Data to fiber converter	Singlemode	1080P	pair
BC-TVI0800-1080(VT/VR)	8 channels TVI to fiber converter	Singlemode	1080P	pair
BC-TVI0801-1080(VT/VR)	8 channels TVI with 1channel Reverse RS485 Data to fiber converter	Singlemode	1080P	pair
BC-TVI1600-1080(VT/VR)	16 channels TVI to fiber converter	Singlemode	1080P	pair
BC-TVI1601-1080(VT/VR)	16 channels TVI with 1channel Reverse RS485 Data to fiber converter	Singlemode	1080P	pair

# Map



Authorized Distributor

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