

# VCD-012SET, VCD-042SET, VCD-082SET

HD CCTV F.O. Converter (1-8 Channels)



## Description

RoHS  
CE FC



VCD-0XXSET Series products digital coaxial high-definition optical video converter (hereinafter referred to as the coaxial HD optical transmitter and receiver) is analog HD video signal HD- TVI, HD-CVI, HD-AHD turn optical fiber transmission of high speed optical fiber transmission products. Coaxial HD optical video converter integrates advanced high-speed optical fiber communication technology and digital video technology and data communication technology, and the high reliability of the large scale application specific integrated circuit and the surface mount technology, applied to one of the remote high-resolution real-time video monitoring transmission advanced products.

Optical Video Converter transceiver can transmit TVI, CVI and AHD over one single-mode optical fiber. Electronic and optical adjustments are never required. LED indicators are provided for instantly monitoring system status. It is Compatible with 1280X720P/30Hz, 1280PX960P/30Hz, 1280X720P/50Hz, 1920X1080P/30HZ resolution pixel camera. Loss less non-compression real-time transmission.

## Features Highlight

- Industrial design, surface mount technology (SMT).
- Advanced lightning protection design, support 6KV lightning protection.
- Digital optical fiber transmission platform, multi service platform with flexible configuration.
- Provide desktop plug-in frame, concentrated in 2 ways.
- Independent intellectual property rights of large scale integrated circuit core.
- Single fiber transmission, Optional 20KM, 40KM, 60KM long distance transmission.
- Support 0.3 million standard video and 1280X720P/30Hz and 1280PX960P/30Hz and 1280X720P/50Hz and 1920X1080P/30HZ resolution pixel camera, analog coaxial HD video, studio grade transmission quality.
- Uncompressed video transmission real-time transmission, to guarantee the best effect.
- Abundant LED indicators, diagnostic the working conditions.
- Plug and Play, hot plugged support.
- Compatible with TVI,CVI and AHD standard.



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**Specifications**

**Optical**

Wavelength	1310nm
Output Power	-3 ~ -9 dBm
Receive Sensitivity	-26 dBm
Type of Optical Fiber	Single mode : 9/125 micron
Type of Connector	FC Simplex
Distance	20 km

**Data Interface**

Data Channel	1 Channel
Physical interface	Terminal Block, Screw Type
RS485 Rate	115.2 Kbps
Physical protocol	RS485 (2,4wire), Bi-Directional/Bi-phase protocol

**Video**

Input/output impedance	BNC 75Ω
Standard video input/output voltage	>500mVp-p / 1.0 Vp-p
Support camera pixels	0.3 million, 1 million, 1.3 million, 2 million
Video pixel	1280 (H) * 720 (V) /30Hz 1280 (H) * 720 (V) /50Hz 1280 (H) * 960 (V) /30Hz 1920 (H) * 1080 (V) /30Hz
Differential gain (10%-90% APL)	<±1% Type
Differential phase (10%-90% APL)	<±1% Type
SNR	>60dB (8Bit)
Video Signal	TVI, CVI, AHD
Connector interface	BNC
LED indicator	LINK, Power, Video
Coaxial Cable Distance	300 meters

**Power**

Power Input	5VDC
Power Consumption	<5 Watts
Power Adapter	100-240VAC, 50/60Hz, 5VDC/3A

**Mechanical and Environment**

Housing	Metal
Dimensions (W x H x D)	122.44 x 47.5 x 195.6 (mm)
Mounting	Desktop
Operating Temperature	-20°~70°C
Storage Temperature	-40°~85°C
Operating Humidity	0~95% RH (non-condensing)
MTBF	>50,000 Hours

**Standards and Certifications**

EMC	FCC Part 15 of Class B & CE Approved EN 55032:2012/AC2013 EN 55024:2010+A1:2015 EN 61000-3-2:2014 EN 61000-3-3:2013
Low Voltage Directive	EN 60950-1
Green Product	RoHS

**Ordering Information**

VCD-012SET	1 Channels BNC to F.O. Converter Set (Includes VCD-011FST and VCD-011FSR)
VCD-042SET	4 Channels BNC to F.O. Converter Set (Includes VCD-041FST and VCD-041FSR)
VCD-082SET	8 Channels BNC to F.O. Converter Set (Includes VCD-081FST and VCD-081FSR)
VCD-099P0	Spare HD CCTV Power Adapter 5V, 3A, 15W

**Note :**

\* Specifications subject to change without notice.



**Mechanical Dimensions**

