



### Introduction

Fiber optical HDCVI converters CLR-HDCVI-XCH adopt the advanced uncompressed HD composite video and high velocity digital optical transmission technologies which convert the HDCVI composite signals to optical signals to achieve long distance(as far as 20Km) transmission through fibers.

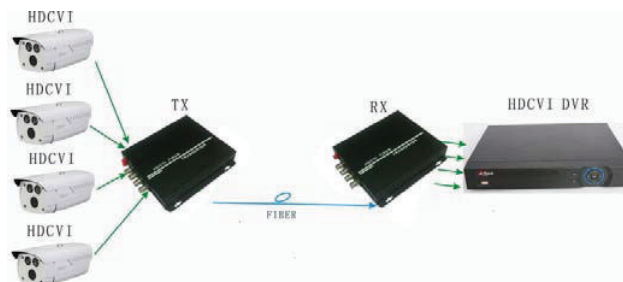
### Features

- Non-compression coding technology
- Automatically identify formats of input videos.
- Support transmission of HDCVI signal and controlling data simultaneously though coaxial cable
- DC 5V power supply
- Support 720p/25、720p/30、720p/50、720p/60、1080p/25、1080p/30 videos etc.
- Through LED indicators to inform its functional mode
- Industrial wide range of operational temperature
- Plug and play, simple installation.

### Application

Typical application of HDCVI converters is as P1-1 below:

P1-1 Typical application diagram of HDCVI fiber optical converter



**Technical specifications**

Optical	Fiber Type	Single mode fiber
	Fiber Connector	FC
	Distance	0km~80km
	Wavelength	Transmitter T1310nm, R1550nm. Receiver T1550nm,R1310nm.
HDCVI(Tr ansmitting )	Input level	>500mVp-p
	self-adaptionly cable equilibrium	1080p:75-5 coaxial cable,300m 720p:75-5 coaxial cable,500m
	Input/Output Impedance	75 Ω
	Physical Interface	BNC
HDCVI(Re ceiving)	Output level	1Vp-p
	Input/Output Impedance	75Ω
	Physical Interface	BNC
Data	Transmission Media	Coaxial cable
	Baud Rate	1200~9600bit/s
	Bit Error Rate	≅ 10
	Operation Mode	Half-Duplex
	Indicators	LOS、PWR、DATA、VIDEO
	Mean time between failures(MTBF)	>100 000 hours
General	EPS	DC5V
	Power Consumption	≅ 5W
	Operation Temperature	—40℃~75℃
	Operation Humidity	10%~90%
	Atmospheric Pressure	86kpa~106kpa
	Mounting Method	Wall mounted