

Description

Built upon OptixCom's optical transceiver technology, this extender module is specifically designed for sending and receiving composite video signals. Proprietary digital design is utilized to ensure video transmission over fiber with minimum distortion and interference.

This product is designed to send signals from the TX module to the RX module in the one-way direction. Each module is equipped with the following: four video channels, one RS422/RS485 control line, and one FC type optical connector interface.

This optical extender is plug and play and supports NTSC video for up to 20 km distance with 9/125 um single mode fibers (SMF).



Lead-Free

CVI-FCTX-20K-1
CVI-FCRX-20K-1



~ Fiber cables not included ~

Key Features

- 20 km transmission distance
- 1310/1550 nm technology with FC SMF
- NTSC video format with 8 MHz bandwidth
- 4X BNC video I/O connectors
- 1X RS422/RS485 control line
- 1X FC optical fiber interface connector
- 100 – 240 VAC to 5 VDC power supply included
- RoHS compliant
- Compact size: 158 x 81 x 30 mm

Applications

- ✓ Video surveillance link
- ✓ Remote monitor for warehouse and control
- ✓ Home entertainment systems

Ordering Information

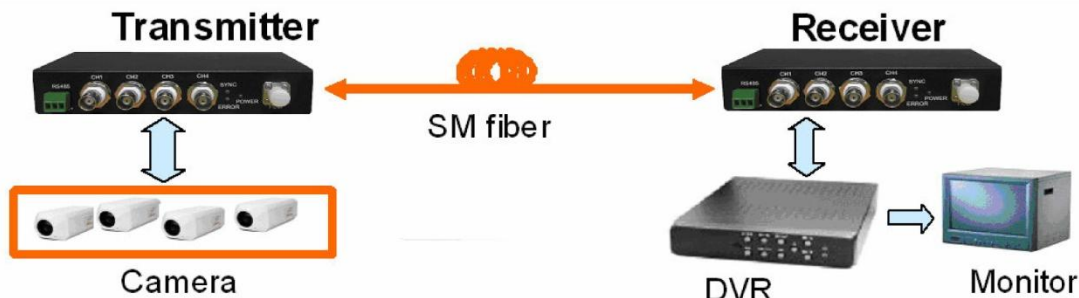
Part Number: CVI-FCTX-20K-1

Optical Composite video TX extender module, 20 km, -10-65°C

Part Number: CVI-FCRX-20K-1

Optical Composite video RX extender module, 20 km, -10-65°C

System Application Example



Operating Conditions

Parameter	Min.	Typical	Max.	Units
Operate Temperature	-10	25	65	°C
Storage Temperature	-20	25	85	°C
Signal to Noise Ratio	---	50	---	dB
BNC Impedance	---	75	---	Ohm
Output Voltage	---	1	---	V

Package List

1. CVI-FCTX-20K-1 optical composite video/audio TX module - 1 unit
2. CVI-FCRX-20K-1 optical composite video/audio RX module - 1 unit
3. 5V AC/DC power supply - 2 units
4. Simplex FC fiber cables – not included and ordered separately.
5. RS422/485 control cable – not included and ordered separately.