



Two channels, unidirection, video transmitter and receiver



Feature

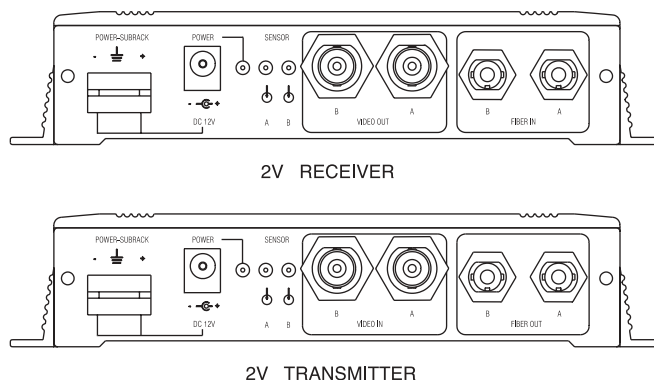
- FM-FDM.
- AGC function.
Typically, the maximum transmission distance 5 Km for multi mode optical fiber products and 60 Km for single mode fiber products. (Transmission distance is limited to fiber loss, connector loss etc.)
- Low cross talk.
- Low noise.
- Easy to install for CCTV system.
- MTBF>10⁵ hr.



Description

The TRC TVX/RVX-M32XR series simultaneously transmit/receive two-channel of real time video signals on one multi mode optical fiber. These modules utilize FM modulation to reduce ghosting, jitter and cross talk between channels, thereby providing superior image. These modules incorporate power and video detect status indicating LEDs to monitor proper system operation. The TRC TVX/RVX-S32XR, video transmitter/receiver on single mode fiber, are also available.

Structure



Order Information

2 Video		Channel	Model No.	Fiber	Single Mode	Transmitter	Description	Pack
					Multi Mode	Receiver		
2V		2V	TVX-M35XR	2	Multi-Mode	Transmitter	Video Transmitter, 1310nm, 2ch x 2 fiber, DC12V	Rack mount
2V		2V	RVX-M35XR	2	Multi-Mode	Receiver	Video Receiver, 1310nm, 2ch x 2 fiber, DC12V	Rack mount
2V		2V	TVX-M32XR	1	Multi-Mode	Transmitter	Video Transmitter, 1310nm, 2ch x 1 fiber, DC12V	Rack mount
2V		2V	RVX-M32XR	1	Multi-Mode	Receiver	Video Receiver, 1310nm, 2ch x 1 fiber, DC12V	Rack mount
2V		2V	TVX-S35XR	2	Single mode	Transmitter	Video Transmitter, 1310nm, 2ch x 2 fiber, DC12V	Rack mount
2V		2V	RVX-S35XR	2	Single mode	Receiver	Video Receiver, 1310nm, 2ch x 2 fiber, DC12V	Rack mount
2V		2V	TVX-S32XR	1	Single mode	Transmitter	Video Transmitter, 1310nm, 2ch x 1 fiber, DC12V	Rack mount
2V		2V	RVX-S32XR	1	Single mode	Receiver	Video Receiver, 1310nm, 2ch x 1 fiber, DC12V	Rack mount

Specification

Transmitter

Optical wavelength	1310nm
Fiber connector	ST type for multi mode fiber; FC/PC type for single mode fiber
Optical Power	more than -15dBm for LED; more than -3dBm for LD
Video input	NTSC/PAL/CCIR/EIA-RS170; BNC connector
Modulation and multiplexing	FM-FDM
Bandwidth	8 MHz
Channel number	2
Channel cross talk	Better than 30db
Differential gain and phase	≤ 8%, 8°
S/N	50 db
Power supply	DC 12V / AC 24V
Operating temperature	-10°C~+65°C
Storage temperature	-20°C~+80°C
Dimension (WxHxL) mm	165x33.5x220

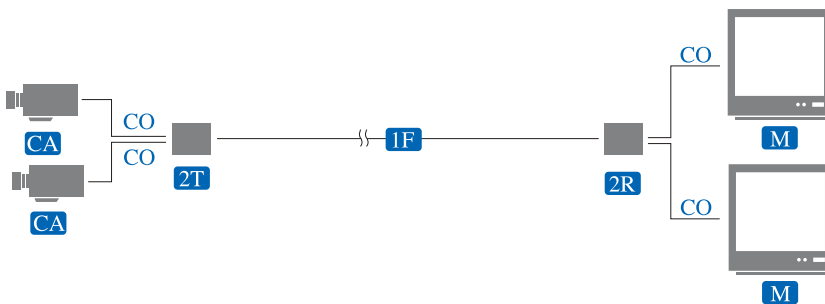
Receiver

Optical wavelength	1310nm
Fiber connector	ST type for multi mode fiber; FC/PC type for single mode fiber
Responsivity	0.9 A/W for 1310nm
Sensitivity	Better than -25 dbm
Bandwidth	8 MHz
Receiving type	FDM de-multiplexing; FM de-modulation
AGC function	Yes
Channel number	2
Channel crosstalk	Better than 30db
Differential gain and phase	≤ 8%, 8°
Video output	1 Vp-p, 75ohms
Power supply	DC 12V
Operating temperature	-10°C~+65°C
Storage temperature	-20°C~+80°C
Package	rack mount
Dimension (WxHxL) mm	165x33.5x220

Application example

Example 1

2 cameras with simplex fiber cable transmission.



- CA camera
- CO coaxial cable
- 2T 2 channel video transmitter
- 2R 2 channel video receiver
- 1F simplex fiber cable
- M monitor
- PC patch-cord
- 2F duplex fiber cable
- Q quad
- S switcher

Example 2

4 cameras with duplex fiber cable transmission.

