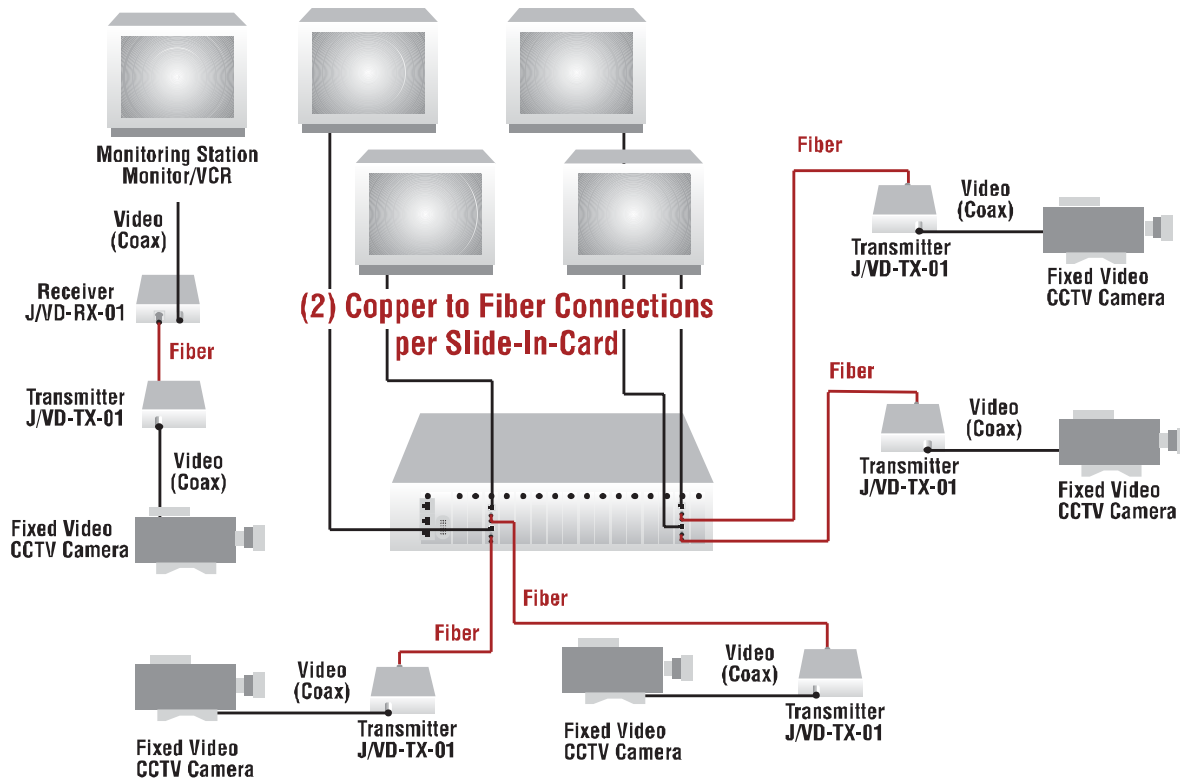


Video Surveillance or Security Over Fiber

► Utilize Fiber Cable in Video Surveillance Applications



- Extend surveillance reach
- Eliminate noise and interference
- Low cost - real time - full color video
- Reduce installation and maintenance time with Automatic Gain Control

Analog CCTV Video: NTSC, PAL, SECAM Stand-Alone Media Transmitter & Receiver

J/VD-xX-01

Transition Networks's analog composite video media transmitter, **J/VD-TX-01**, converts a CCTV signal from cameras to multimode or single mode fiber for up to 10 km. Transition Networks's analog video media receiver, **J/VD-RX-01**, converts the optical signal back to an analog composite video signal. All conversion is performed in real time. Automatic gain control installed on both Transmitter and Receiver maintains desired quality of video's contrast and brightness for extended distances. No field adjustments are necessary. Wide input range power supply allows for multiple choices of power source including camera power supply.

To assure best quality Transition Networks's Transmitters & Receivers should be used on both ends of the link.

Features

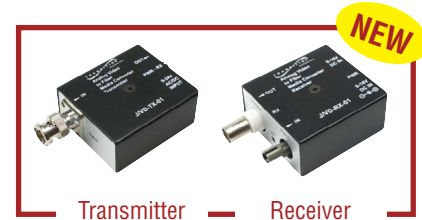
- ▶ AM Modulation
- ▶ NTSC, PAL, SECAM compatibility
- ▶ Compatible with all video CCTV equipment
- ▶ Real Time Full Color Video
- ▶ Automatic Gain Control on Transmitter
- ▶ Automatic Gain Control on Receiver
- ▶ Link Pass Through
- ▶ Wide input power supply:
 - Transmitter: 9 – 24 VAC; 9 – 40 VDC
 - Receiver: 9 – 16 VAC/DC
- ▶ Video Specification:
 - Input Video: .5 to 2-volt pk-pk (75 ohms)
 - Bandwidth: 5 Hz – 10 MHz
 - Differential Gain: < 5 %
 - Differential Phase: < 5°
 - Tilt: < 1%
 - Signal/Noise Ratio: 60dB
- ▶ Extended temperature rating for use in controlled outdoor applications

Ordering Info

Product Number	Description	Port One	Port Two
J/VD-TX-01	Video Transmitter	BNC (75 ohm)	Multimode (ST) [1 km/ 0.6 miles]
J/VD-RX-01	Video Receiver	BNC (75 ohm)	Multimode (ST) [1 km/ 0.6 miles]
J/VD-MRX-01	Miniature Video Receiver	BNC (75 ohm)	Multimode (ST) [1 km/ 0.6 miles]
J/VD-TX-01(SC)	Video Transmitter	BNC (75 ohm)	Multimode (SC) [1 km/ 0.6 miles]
J/VD-RX-01(SC)	Video Receiver	BNC (75 ohm)	Multimode (SC) [1 km/ 0.6 miles]
J/VD-MRX-01(SC)	Miniature Video Receiver	BNC (75 ohm)	Multimode (SC) [1 km/ 0.6 miles]
J/VD-TX-01(SM)	Video Transmitter	BNC (75 ohm)	Single Mode (ST) [10 km/ 6.2 miles]
J/VD-RX-01(SM)	Video Receiver	BNC (75 ohm)	Single Mode (ST) [10 km/ 6.2 miles]
J/VD-MRX-01(SM)	Miniature Video Receiver	BNC (75 ohm)	Single Mode (ST) [10 km/ 6.2 miles]

About Transition Networks

Transition Networks, Inc. offers a full suite of networking solutions including media converters, network interface cards, transceivers and the MiLAN brand of switch and wireless products. The company designs and markets these technologies across a broad spectrum of LAN, voice, video and serial protocols. Based in Minneapolis, Transition Networks distributes hardware-based connectivity solutions exclusively through a network of resellers in 50 countries. Transition Networks is a wholly owned subsidiary of Communications Systems, Inc., a publicly traded company (AMEX: JCS).



Transmitter

Receiver

Specifications

Video Formats	NTSC, PAL, SECAM
Optical Specs	Multimode: 850nm 6.0 dB Link Budget Single Mode: 1310nm 10.0 dB Link Budget
LEDs	J/VD-TX-01(xx) Transmitter: Pwr: ON = Power connected RX: ON = Copper Video feed IN J/VD-RX-01(xx) Receiver: Pwr: ON = Power connected RX: ON = Fiber Video feed IN
Dimensions	Transmitter/Miniature Receiver: Width: 2.0" [51 mm] Depth: 2.2" [56 mm] Height: 1.0" [25 mm] Receiver: Width: 4.0" [102 mm] Depth: 3.0" [76 mm] Height: 1.0" [25 mm]
Power Supply	Transmitter: 9 – 40 VDC, 9 – 24 VAC Receiver: 9 – 16 VAC/DC
Power Consumption	2 watts
Operating Temperature (Standard)	-40 to 75°C
Storage Temperature	-25 to 85°C
Altitude	0 – 10,000 feet
Operating Humidity	5% – 95% non-condensing
Shipping Weight	1 lb. (0.45 kg)
Safety Compliance	CE Mark Power Supply: UL listed, EN60950
Regulatory Compliance for Emissions	FCC Class A, EN55022 Class A
Regulatory Compliance for Immunity	EN55024
Warranty	Lifetime