



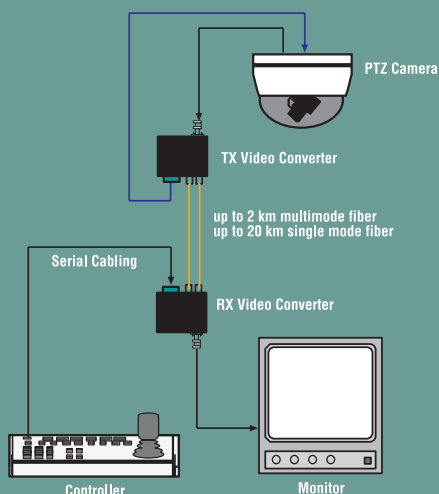
SVIDF201x-100



SVIDF201x-110



Connect uni-directional analog video devices over fiber



Transition Networks's Analog Video + Data TX and RX units transport analog composite video and data simultaneously over multimode or single mode fiber up to 20 km. The TX device receives the video output from the camera and transmits it over the fiber cable. In addition, the TX device receives the data stream over fiber and transmits it to the camera to control PTZ functionality. The RX device receives the video signal on fiber and converts it back to an analog composite video stream and outputs the video on coaxial cable to the monitor. In addition, the RX device receives the data stream from the PTZ controller and transmits it over the fiber cable to the other end of the link.

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.

Features

- ▶ AM Modulation
- ▶ NTSC, PAL, SECAM compatibility
- ▶ Supports unidirectional RS-232, RS-422 or RS485 data transmission for PTZ camera functionality
- ▶ Extended temperature rating
- ▶ Wide input power supply:
 - Transmitter: 9 – 24 VAC; 9 – 40 VDC
 - Bandwidth: 5 Hz – 10 MHz
- ▶ Automatic Gain Control on TX and RX
- ▶ Real Time Full Color Video
- ▶ Transparent to Data Encoding/Compatible with Major CCTV Camera Manufacturers
- ▶ Video Specification:
 - Input Video: 0.5 to 2-volt pk-pk (75 ohms)
 - Receiver: 9 – 16 VAC/DC
 - Differential Gain: < 5 %
 - Differential Phase: < 5°
 - Tilt: < 1%
 - Signal/Noise Ratio: 60dB

Specifications

Video Formats	NTSC, PAL, SECAM
Data Formats	RS-232, RS-422, RS-485
Data Rate	Serial: 115 kb/s
Status LEDs	PWR (Power): ON = Power connected V (video): ON = video signal present D (data): ON = data transmitted
Dimensions	Transmitter: Width: 2.9" [74 mm] Depth: 3.0" [76 mm] Height: 1.0" [25 mm] Receiver: Width: 3.3" [84 mm] Depth: 4.8" [122 mm] Height: 1.0" [25 mm]
Power Supply	Input Power (TX): 9 – 24 VAC/VDC direct input Input Power (RX): External AC/DC; 12 VDC, 0.4A
Environment	-100 models: -40°C to +75°C operating temperature -110 models: 0°C to +60°C operating temperature
Altitude	0 – 10,000 feet
Operating Humidity	5% – 95% non-condensing
Shipping Weight	2 lbs. [0.90 kg]
Compliance	CISPR/EN55022 Class A + EN55024; EN60950 Class A; FCC Class A; CE Mark
Warranty	Lifetime

Ordering Info

Video Transmitter (camera side)

SVIDF2011-100
BNC (75 ohm) [228 m/750 ft.]
to 850nm Multimode (ST)
[2 km/1.2 mi.] Link Budget: 11.0 dB

SVIDF2013-100
BNC (75 ohm) [228 m/750 ft.]
to 850nm Multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB

SVIDF2012-100
BNC (75 ohm) [228 m/750 ft.]
to 1310nm Single Mode (ST)
[20 km/12.4 mi.] Link Budget: 15.0 dB

Video Receiver (monitor/controller side)

SVIDF2011-110
BNC (75 ohm) [228 m/750 ft.]
to 850nm Multimode (ST)
[2 km/1.2 mi.] Link Budget: 11.0 dB

SVIDF2013-110
BNC (75 ohm) [228 m/750 ft.]
to 850nm Multimode (SC)
[2 km/1.2 mi.] Link Budget: 11.0 dB

SVIDF2012-110
BNC (75 ohm) [228 m/750 ft.]
to 1310nm Single Mode (ST)
[20 km/12.4 mi.] Link Budget: 15.0 dB