



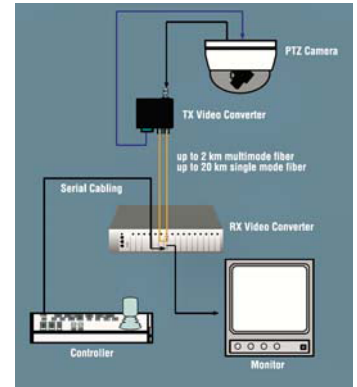
## Analog CCTV Video + Data Fiber Optic Media Converters

Transition Networks's Analog Video + Data TX and RX units transport analog composite video and data simultaneously over multimode or singlemode fiber up to 20 km.



### Stand-alone Video Transmitter & Receiver

- 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.



### Video Receiver—Monitor/Controller Side

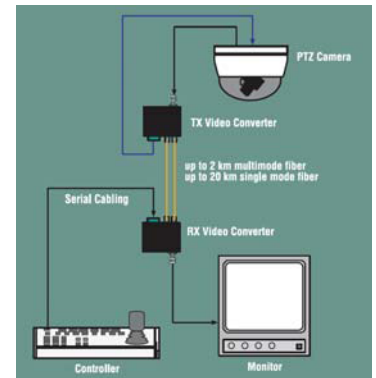
CSC Part No.	Transition No.	Description
798772	SVIDF2011-110	BNC [75 ohm] [228 m/750 ft.] to 850nm MM (ST) [2 km/1.2 mi.] Link Budget: 11.0 dB
799183	SVIDF2012-110	BNC [75 ohm] [228 m/750 ft.] to 1310nm SM (ST) [20 km/12.4 mi.] Link Budget: 15.0 dB

### Video Transmitter—Located at Camera

CSC Part No.	Transition No.	Description
800329	SVIDF2011-100	BNC [75 ohm] [228 m/750 ft.] to 850nm MM (ST) [2 km/1.2 mi.] Link Budget: 11.0 dB
798773	SVIDF2012-100	BNC [75 ohm] [228 m/750 ft.] to 1310nm SM (ST) [20 km/12.4 mi.] Link Budget: 15.0 dB

### Stand-alone Video Transmitter & Receiver

- Transition Networks Point System™ Chassis Analog Video + Data Receiver, when paired with our camera mounted transmitter SVIDF201x-100, enables the transport of analog CCTV video and PTZ serial data over fiber infrastructure for extended reach video surveillance or security installations.
- The RX chassis cards receive the video signal on fiber and convert it back to an analog composite video stream and output the video on coaxial cable to the monitor. In addition, the RX card receives the data stream from the PTZ controller and transmits it over the fiber cable to the other end of the link.



### Video Transmitter—Located at Camera

CSC Part No.	Transition No.	Description
798723	CVIDF2011-110	BNC [75 ohm] [228 m/750 ft.] to 850nm Multimode (ST) [2 km/1.2 mi.] Link Budget: 11.0 dB
798725	CVIDF2012-110	BNC [75 ohm] [228 m/750 ft.] to 1310nm Single Mode (ST) [20 km/12.4 mi.] Link Budget: 15.0 dB

## Fast Ethernet 10/100Base-TX + 100Base-FX Dual Media NIC Card

For SCIF areas or secure workcenters where external media converters would be undesirable, Transition Networks also offers a full line of Network Interface Cards in various speeds and configuration. For laptop integration, PCMCIA cards are also available.

The Fast Ethernet Dual Media NIC provides both a 10/100BASE-TX copper port and a 100BASE-FX fiber port to allow ultimate flexibility for installation in both new and legacy LAN environments. With both standard and low profile form factors, driver support for most popular operating systems and PCI 2.2 plug-and-play capability helps make installation a breeze in virtually any PC in your network.



CSC Part No.	Transition No.	Fiber Type	Fiber Connector	Port No. 1	Port No.2	Maximum Distance
798176	NDM-FTX-MT-01	MM	MT-RJ	10/100Base-TX (RJ-45) [100 m/328 ft.]	100Base-FX 1300nm	2 km/1.2 miles
700932	NDM-FTX-SC-01	MM	SC	10/100Base-TX (RJ-45) [100 m/328 ft.]	100Base-FX 1300nm multimode (SC) [2 km/1.2 miles]	2 km/1.2 miles
700931	NDM-FTX-ST-01	MM	ST	10/100Base-TX (RJ-45) [100 m/328 ft.]	100Base-FX 1300nm multimode (SC) [2 km/1.2 miles]	2 km/1.2 miles
798178	NDM-FTX-SC20-01	SM	SC	10/100Base-TX (RJ-45) [100 m/328 ft.]	100Base-FX 1310nm	20 km/12.4 miles
798179	NDM-FTX-SC5-01	SM	SC	10/100Base-TX (RJ-45) [100 m/328 ft.]	100Base-FX 1310nm	5 km/3.1 miles

## 10/100/1000 Ethernet Copper-to-Fiber Stand-Alone Media Converter

This device converts the electrical signal of a 10/100/1000 Ethernet signal from copper to fiber. This solution will offer a low-cost integration option for network managers who want to migrate from 10/100 networks to Gigabit Ethernet. Gigabit only switches can now be connected to 10/100 networks without the need to upgrade the 10/100 side, allowing network managers to add new equipment gradually.



CSC Part No.	Transition No.	Fiber Type	Port No. 1	Port No.2	Maximum Distance
732155	SGFEB1013-100	62.5um MM 50um MM	10/100/1000Base-T (RJ-45) [100 m/328 ft.]	1000Base-SX 850nm multimode (SC)	220 m/722 ft. 550 m/1804 ft.
752032	SGFEB1014-100	SM	10/100/1000Base-T (RJ-45) [100 m/328 ft.]	1000Base-LX 1310nm single mode (SC)	10 km/6.2 miles
798172	SGFEB1015-100	SM	10/100/1000Base-T (RJ-45) [100 m/328 ft.]	1000Base-LX 1310nm single mode (SC)	25 km/15.5 miles
798174	SGFEB1017-100	SM	10/100/1000Base-T (RJ-45) [100 m/328 ft.]	1000Base-LX 1550nm single mode (SC)	65 km/40.4 miles
732156	SGFEB1024-100	62.5um MM	10/100/1000Base-T (RJ-45) [100 m/328 ft.]	1000Base-LX 1310nm Extended multimode (SC)	up to 2 km
791892	SGFEB1035-100	SM	10/100/1000Base-T (RJ-45) [100 m/328 ft.]	1000Base-LX 1550nm single mode (SC)	up to 2 km 125 km/77.7 miles