

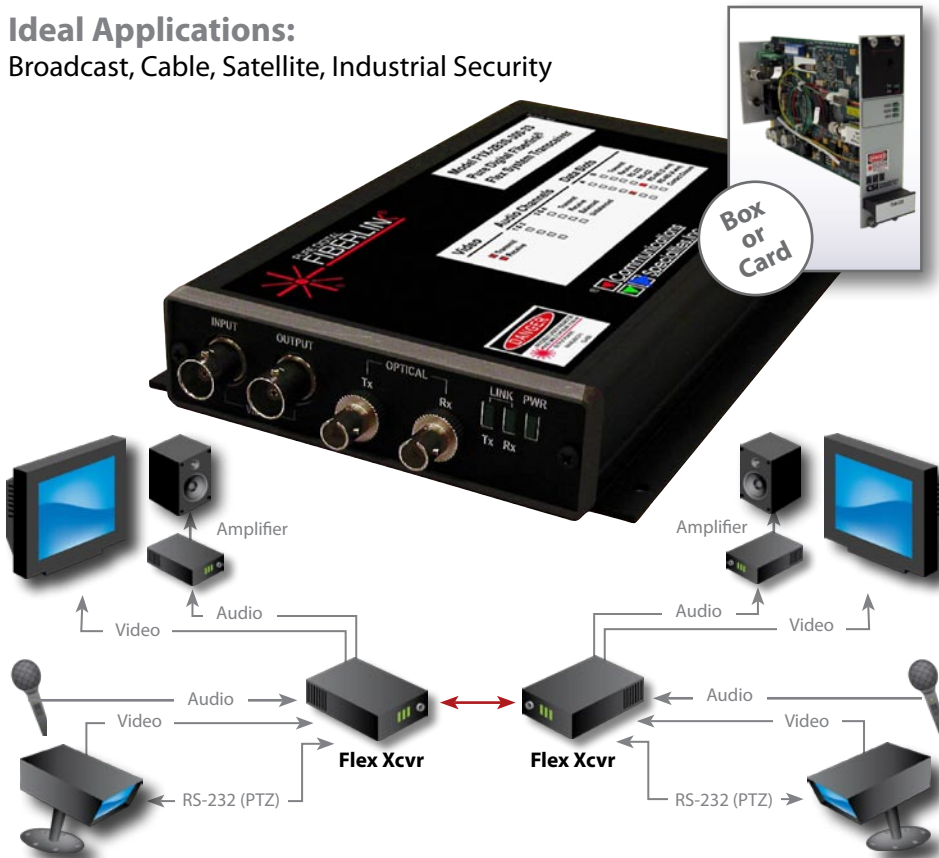


Flex System

Any combination of video, audio, data and contact closure signals, transmitted digitally in one or both directions, over one or two fibers

Ideal Applications:

Broadcast, Cable, Satellite, Industrial Security



Transmitter, receiver and transceiver units must each be ordered separately. Use the Part Number Configuration Chart to generate a specific part number for each unit.

In addition, each box unit requires an external power supply. Power supplies should be specified as follows:

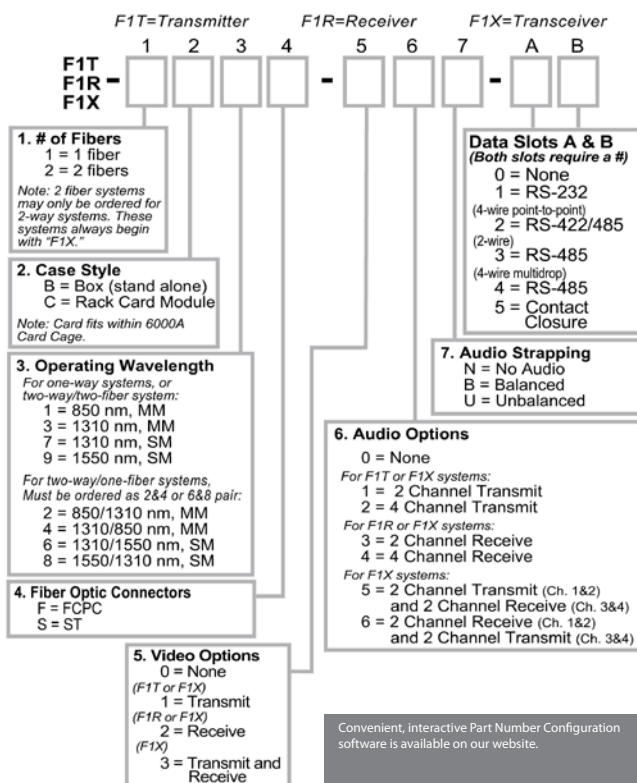
Power Supply:
PDPS-1-pp

Power Supply Suffix
Codes: (Line Cord)

pp:

NA	North America
AU	Australia
EU	Europe
JP	Japan
UK	United Kingdom

Flex System Configuration Example



Convenient, interactive Part Number Configuration software is available on our website.

Signal	Channels	Direction
Video	1	↔ or →
Audio	2 or 4	↔ or →
Data or Contact	1 or 2	↔ or →

Features

Each unit is custom-ordered and assembled.

Each transmitter, receiver and transceiver unit is sold separately. Power supplies are also sold separately.

Signal options include:

One channel of video in one or both directions

Two or four independent audio channels; four in one direction or two in each direction

Two slots for either data or contact closure signals in one or both directions

Transmits over multimode or single mode fiber at 850, 1310 or 1550 nm

Bi-directional systems available in one or two-fiber versions

Pure digital processing and transmission

Video channel is compatible with NTSC, PAL or SECAM video standards

Audio channels may be user-configured independently to have either balanced or unbalanced inputs and outputs

Indicator LEDs monitor signals and power

Wide range power supply allows operation from low voltage AC and DC sources

Card version fills two slots in 6000A rack

Sales



CSI Communications Specialties, Inc.

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Flex System



Schedule
Contract GS-03F-5063C



Operating Loss Budget & Maximum Usable Distance*

Wavelength Loss(dB) Distance (km)

2-way over 2 fibers and 1-way systems

850 MM	0-15	0-3
1310 MM	0-12	0-11
1310 SM	0-28	0-70
1550 SM	0-26	0-85

2-way over 1 fiber systems

850/1310 MM	0-11	0-3
1310/850 MM	0-11	0-3
1310/1550 SM	0-25	0-60
1550/1310 SM	0-25	0-60

SM = Single Mode Fiber

MM = MultiMode Fiber

*Distance specifications are only approximate and are not guaranteed. Operating loss budget must not be exceeded.

Video Specifications

Number of Channels	1, one-way or bidirectional
Frequency Response	20 Hz to 8 MHz (+0, -3 dB) 50 Hz to 5 MHz (+/- 0.2 dB)
Input/Output Impedance	75 Ohms
Input/Output Voltage:	1 V p-p nom., 1.3 V p-p max.
Signal-to-Noise Ratio	60 dB (CCIR weighted)
Differential Gain and Phase	1% typical; 1° typical
Video Connectors	BNC

Audio Specifications

Number of Audio Channels	2 or 4 one-way or 2 bidirectional (balanced or unbalanced)
Frequency Response	20 Hz to 20 kHz (+0, -3 dB)
Input/Output Impedance	600 Ohms terminated; >24 k Ohms unterminated
Input/Output Voltage	0 dBu nom. +10 dBu max.
Signal-to-Noise Ratio	85 dB
THD+N	0.1% typical
Audio Connectors	Removeable terminal block

Data/PTZ and Contact Closure Specifications

Number of Channels	2, which may be used for 2 data channels, 2 contact closure channels, or one of each
Data Protocols Supported	RS-232, RS-422, RS-485 (2 or 4-wire)
Data Rate	DC to 115 kb/s
Contact Closure Input	Dry contact or TTL level referenced to GND
Contact Closure Output	Isolated reed relay contacts; 115 Volts AC; 50/60 Hz @ 0.2 A or 24 Volts DC @ 1 A
Data and Contact Closure Connectors	Removeable terminal block

General Specifications

LED Indicators	Power; Signal Present (Link); Alarm LED (card version only)
Power Requirements*	9-24 volts AC or DC, 6 watts
Operating Temperature Range	-35° to +75° C
Optical Connectors	ST or FCPC
Physical Size	5.1 W x 1.25 H x 7.25 L (inches) 127 W x 32 H x 184 L (mm)
Weight	approx. 1 lb.; 0.45 kg
Slots Filled in 6000A Card Cage	2

* For operation from 95-250VAC, 50/60Hz, a PDP5-1 plug-in adapter is required.



Backed by a 30-day satisfaction guarantee and a three-year limited warranty on parts and labor. See website for terms and conditions.

Sales



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