

All digital processing and transmission of 10 video channels and bi-directional PTZ data over a single fiber

The Pure Digital Fiberlink® 10-Channel Video Multiplexer/PTZ consisting of a transmitter and receiver, multiplexes 10 channels of standard analog video and optional bi-directional data (RS-232, RS-422, RS-485) into a high-speed serial digital bit stream for transmission over a single fiber optic cable. Because the system employs true digital transmission techniques, performance characteristics are consistent and maintained over the specified distance with absolutely no degradation of signal. There are no FM carriers that need to be tuned or that can drift over time. The low component count and

use of custom ASICs increase system reliability and performance.

Designed to work with standard single mode or multimode fiber optic cable, the Pure Digital Fiberlink® 10-Channel Video Multiplexer/PTZ system, can be free-standing or rackmounted. Both transmitter and receiver come complete with internal power supplies. Built-in diagnostic LEDs for each channel and a loss of signal/broken fiber alarm facilitate rapid setup and the continuous monitoring of all phases of operation. The system is also available in a two fiber version.

Pure Digital Fiberlink® 10-Channel Video Multiplexer/PTZ



STANDARD FEATURES INCLUDE:

- All digital processing. No FM carriers to drift and cause crosstalk
- Uncompressed video transmission eliminates artifacts
- Full color, uncompressed and real-time transmission in NTSC/PAL/SECAM
- Only 1 rack unit high (1.75 inches) with built-in power supply

EQUIPMENT INCLUDED:

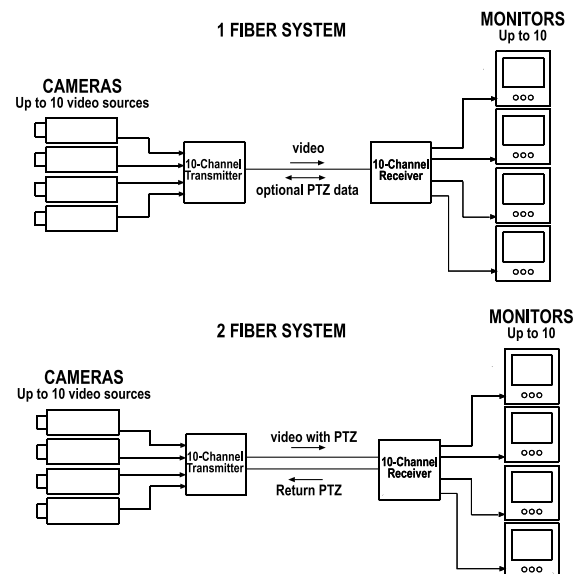
- Transmitter and Receiver must be purchased separately
- An AC line cord is included with each Transmitter and Receiver
- User's Manual
- Rackmount kit

MODELS AVAILABLE:

- Single mode or multimode
- Video only over one fiber
- Video with bi-directional data over one fiber or two fibers

WARRANTY

All Pure Digital Fiberlink transmission products are backed by a three-year warranty on parts and labor plus a 30-day satisfaction guarantee.



Pure Digital Fiberlink 10-Channel Video Multiplexer/PTZ

SPECIFICATIONS:

VIDEO:

Number of Channels:	10
Number of Fibers:	1
Video Bandwidth (all channels at rated distance):	10 Hz - 6.5 MHz (-3 dB)
Video Input:	1 volt p-p
Input/Output Impedance:	75 Ohms
Differential Gain:	< 1.5% typical
Differential Phase:	<1 degree typical
Signal-Noise (all channels at rated distance):	>63 dB (CCIR weighting)

DATA:

Interfaces supported:	RS-232, RS-422, RS-485 (2-wire and 4-wire), switch selectable
Maximum data rates:	100 Kbps
Protocols:	NRZ, NRZI, RZ, Manchester, Bi-phase
Number of channels:	one, bi-directional

OPTICAL:

Operating wavelength:	1550 nm video and data 1310 nm return data
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Single Mode optical loss budget and typical distance:

1 fiber video only:	0 to 17 dB, 55 km
2 fiber video and data:	0 to 17 dB, 55 km
1 fiber video and data:	0 to 16 dB, 30 km

Noted: Loss budget may not be exceeded. Typical distance indicated assumes fiber loss of 0.3 dB/km at 1550 nm.

Multimode optical loss budget and typical distance: See chart:

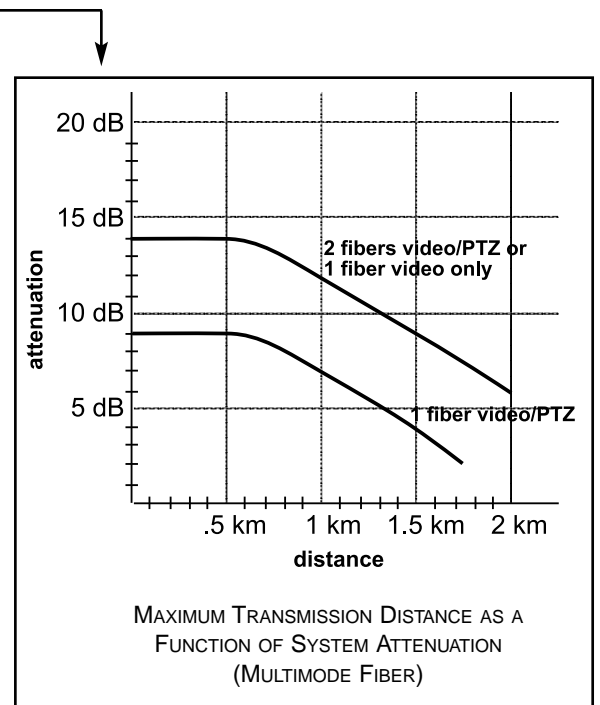
MECHANICAL:

Connectors:	Optical: FCPC or ST; Video: BNC
Operating Temp:	0 to +55 degrees C
Relative Humidity:	10% - 90% (non-condensing)
Operating Power:	95-250 VAC, 47-63 Hz
Size (in.):	1.75 H x 16.75 W x 10 D in. (1RU) (44 x 425 x 254 mm)

ORDERING INFORMATION:

Transmitter (video only)	3132-X-Y-Z
Transmitter (video & data) 2 fibers	3232-X-Y-Z
Transmitter (video & data) 1 fiber	3332-X-Y-Z
Receiver (video only)	3133-X-Y-Z
Receiver (video & data) 2 fibers	3233-X-Y-Z
Receiver (video & data) 1 fiber	3333-X-Y-Z

X = S for ST connector = F for FCPC connector	Z = <u>POWER CORD REQUIREMENTS</u> = Leave Blank for N. America = EU for Europe = JP for Japan = UK for United Kingdom = AU for Australia
Y = 5 for Multimode = 9 for Single mode	



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All specifications are subject to change without notice. Revised 11/2/01.