FIBERLINK®
VIDEO, AUDIO & DATA OVER FIBER

7130 Wideband Video Series

15 MHz wideband video with
four independent audio channels,
digitally transmitted over one fiber

Ideal Applications:

Broadcast Studios, OB Vans, Video Conferencing,
Digital Signage, Distance Learning and Sports Arenas.

Signal	Channels	Direction
Wideband Video	1	→
Audio	4	→

Features

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

Pure digital processing and transmission

10-bit video sampling; 15 MHz video bandwidth; broadcast quality

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

24-bit audio sampling @ 62.5 kHz; 20 Hz to 20 kHz audio bandwidth

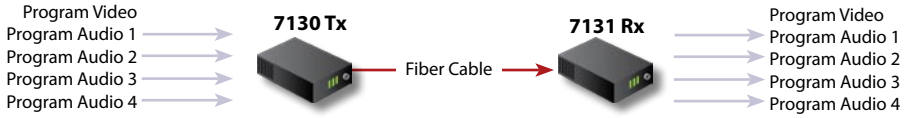
Audio channels may be configured independently by the user to have either balanced or unbalanced inputs and outputs

Indicator LEDs monitor signals and power

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

System consists of transmitter and receiver unit; card or box version. Each end, plus power supply, must be purchased separately.

Card version fills one slot in the 6000A card cage



Ordering Information

Part Number	Description	Fiber Cores
7130-Byz	Transmitter, Box Version	1
7130-Cyz	Transmitter, Card Version	1
7131-Byz	Receiver, Box Version	1
7131-Cyz	Receiver, Card Version	1
PDPS-1-pp	Power Supply	

Power Supply Suffix Codes (pp) for AC Line Cord:

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

Part Number Suffix Codes:

y:
1 850 nm Multimode
3 1310 nm Multimode
7 1310 nm Single Mode
9 1550 nm Single Mode

z:
S ST Connector
F FCPC Connector

Sales

CSI Communications Specialties, Inc.
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Video Specifications

Number of quantizing bits	10
Frequency Response	15 MHz (-3dB), +0.1 dB to 8 MHz
Input/Output Impedance	75 Ohms
Signal-to-Noise Ratio	67 dB per RS-250C
Differential Gain	0.7%
Differential Phase	0.5 degree
Video Gain Adjust	+/-4%
Y/C Delay	4 ns
2T K-Factor	0.4%
Video Connectors	BNC

Audio Specifications

Number of Audio Channels	4, balanced or unbalanced
Frequency Response	+0/-0.5 dB, 20 Hz - 20 kHz
Bits-per-Sample/Sampling Rate	24 bits; 62.5 kHz
Maximum Audio Level	+24 dBu
SNR (A-Weighted)	95 dB
THD+N	0.002%, 20 Hz - 20 kHz
Channel Phase Differential	+/-0.1°
Crosstalk	min. 95 dB (1 kHz)
Input Impedance	600 Ohms terminated; >24 k Ohms unterminated
Output Impedance	50 Ohms
Audio Connectors	Screw terminal block
Switches	DIP switches to select input termination, balanced or unbalanced input/output. Selectable on a per-channel basis

General Specifications

LED Indicators	Power; Video/Audio Present; Alarm LED (card version only)
Power Requirements*	9-24 volts AC or DC, 5 watts
Operating Temperature Range	-35° to +70° C
Optical Connectors	ST or FCPC
Physical Size	6.5 W x 1.15 H x 8 L (inches) 165 W x 29 H x 203 L (mm)
Weight	approx. 1 lb.; 0.45 kg
Slots Filled in 6000A Card Cage	1

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

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GSA Schedule Contract GS-03F-5063C

UL N12911 CE FC

Operating Loss Budget & Maximum Usable Distance*

Wavelength	Loss(dB)	Distance (km)
850 MM	0-20	0-.75
1310 MM	0-24	0-2
1310 SM	0-23	0-55
1550 SM	0-25	0-80

SM = Single Mode Fiber
MM = MultiMode Fiber

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

Want to learn more about fiber?

Log on to commspecial.com for fiber related resources written for Pro A/V Professionals by Pro A/V Professionals!

3 YEAR LIMITED WARRANTY

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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Made in the USA