



7100 Wideband Video Series

15 MHz wideband video digitally transmitted over one fiber using 10-bit quantizing

Ideal Applications:

Broadcast, Cable, Satellite, Industrial Security



Box or Card

Signal	Channels	Direction
Wideband Video	1	→

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

Meets RS-250C short haul specification

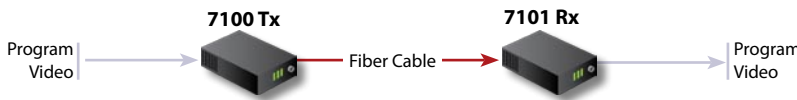
Adjustable output video gain

Indicator LEDs monitor baseband signal 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 6000A card cage



Ordering Information

Part Number	Description	Fiber Cores
7100-Bxy	Transmitter, Box Version	1
7100-Cxy	Transmitter, Card Version	1
7101-Bxy	Receiver, Box Version	1
7101-Cxy	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:

x:	1	850 nm Multimode	y:	S	ST Connector
	3	1310 nm Multimode		F	FCPC Connector
	7	1310 nm Single Mode			
	9	1550 nm Single Mode			

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 Connector	BNC

General Specifications

LED Indicators	Power; Baseband Video Present; Alarm LED (card version only)
Power Requirements*	9-24 volts AC or DC, 7 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.

About CSI

Communications Specialties, Inc. (CSI) is an award-winning manufacturer of Pro A/V products for the distribution, conversion or transmission of television and computer video signals, including fiber optic transmission systems, scan converters and video scalars. The company was founded in 1983 by veterans of the broadcast industry. Since then, CSI has managed to consistently design innovative products that are used worldwide by Fortune 500 Companies in a variety of markets such as Broadcast/Professional A/V, Videoconferencing, Education, Home Theater, Security, ITS, Industrial Monitoring, and more!

The **Fiberlink**® line offers an extensive and affordable family of fiber optic transmission systems for the Professional A/V marketplace and includes several ground-breaking products for the transmission of high-resolution RGB signals. Systems for point-to-point and point-to-multipoint signal distribution make these products highly desirable for any Pro A/V architecture. New products are constantly being designed and developed and you can get the latest information at commspecial.com

Also from CSI: Scan Do® Scan Converters and Deuce® Video Scalars



7100 Wideband Video Series



Operating Loss Budget & Maximum Usable Distance*

Wavelength	Loss(dB)	Distance (km)
850 MM	0-20	0-.75
1310 MM	0-25	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!



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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