

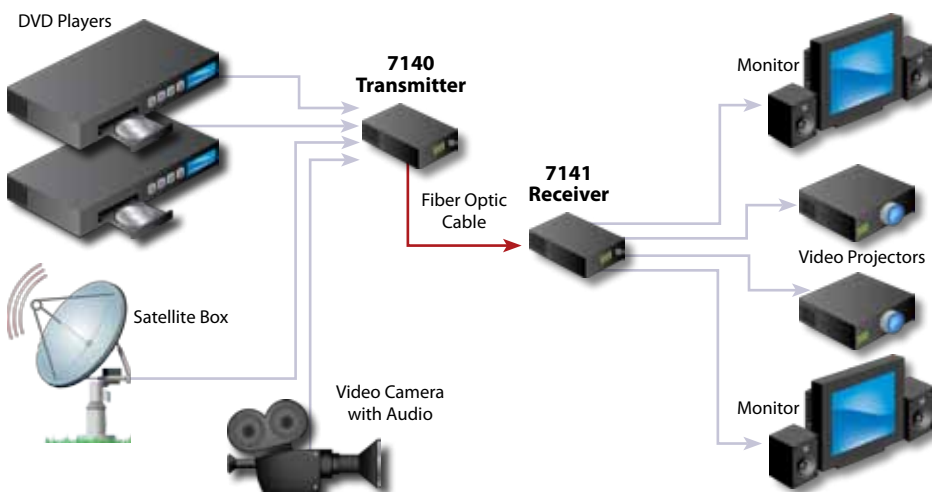


7140 Video Series

Four uncompressed video channels
and eight independent audio channels
all transmitted digitally over a single fiber

There is limited availability of this product and it should not be used for new system designs. This product is being replaced by the Fiberlink 7142 Series. Learn more at commspecial.com/7142

Signal	Channels	Direction
Video	4	→
Audio	8	→



Features

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

System consists of transmitter and receiver unit

No adjustments; pure digital processing and transmission

7 MHz video bandwidth

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

18-bit audio sampling; 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 video signals, audio signals and power

Universal input internal power supply

Unit stands 1 RU high.
Rackmount ears are included

Ordering Information

Part Number	Description	Fiber Cores
7140-yz-pp	Transmitter	1
7141-yz-pp	Receiver	1

Part Number Suffix Codes:

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

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

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

Sales



631-273-0404 | commspecial.com
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7140 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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Video Specifications

Number of channels	4
Video Bandwidth (per channel)	7 MHz (-3 dB)
Input/Output Impedance	75 Ohms
Normal Input/Output Voltage	1V p-p nom., 1.1V p-p max.
Differential Gain	1%
Differential Phase	0.5 degree typical
Signal-to-Noise Ratio	62 dB CCIR weighted typical
Video Connectors	BNC

Audio Specifications

Number of channels	8, balanced or unbalanced
Frequency Response (per channel)	20 Hz to 20 kHz (-3 dB)
Input Impedance	600 Ohms terminated; >24 k Ohms unterminated
Output Impedance	50 Ohms
Normal Input/Output Voltage	0 dBu nom., +10 dBu max.
Signal-to-Noise Ratio	85 dB
THD+N	0.1% typical
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 Present (per channel); Audio Present (per channel)
Power	95-250 volts AC, 47-63 Hz 7140: 7.0 Watts, 23.88 BTU/hr 7141: 6.5 Watts, 22.17 BTU/hr
Operating Temperature Range	0° to +55° C
Optical Connectors	ST or FCPC
Operating Wavelength	850, 1310 or 1550 nm
Physical Size	1.75 H x 16.75 W x 10 D (inches) 44 H x 425 W x 254 D (mm)
Weight	5lbs; 2.2kg