



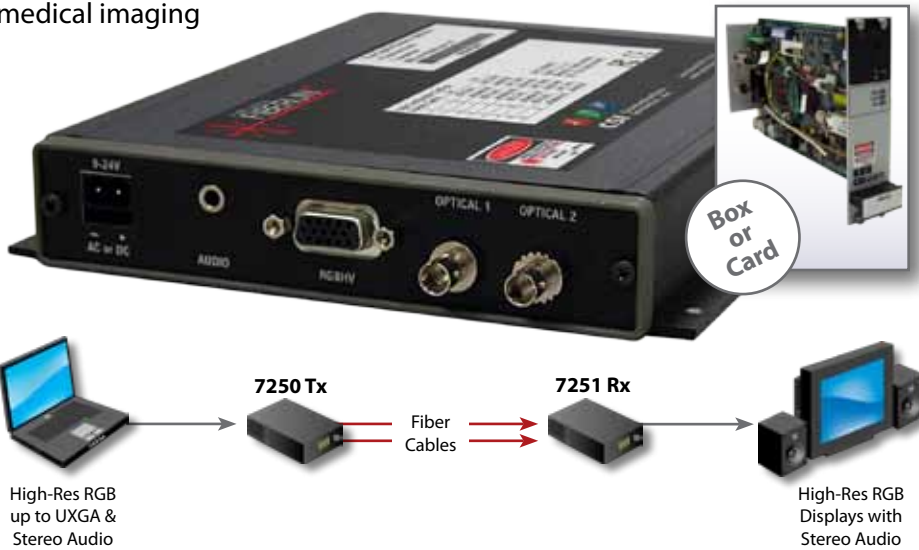
7250 RGB Series

Digitally transmits high resolution RGB (up to WUXGA) and stereo audio over single mode or multimode fiber.

Ideal Applications:

Digital signage, command and control centers, auditoriums, stadiums and theaters, transportation hubs, distance learning, surgical or medical imaging

Signal	Channels	Direction
RGB (to WUXGA)	1	→
Audio	2	→



High-Res RGB up to UXGA & Stereo Audio

High-Res RGB Displays with Stereo Audio

Features

Transmits VGA, SVGA, XGA, WXGA, SXGA, SXGA+, UXGA and WUXGA (640 x 480 up to 1920 x 1200)

Supports HDTV resolutions of 480p, 720p, 1080i and 1080p (RGBHV format only)

Uses all digital processing with no compression for crystal clear signals and no color pixel skewing

Requires no adjustments, equalization or de-skewing during installation

Transmits signals over two single mode or multimode fiber optic cores at 1310 nm wavelength

Low audio/video skew, <300 uSec

Small, lightweight, uses low power

Complete kit available for a "ready to install" solution. Includes transmitter, receiver, power supplies, 250 meters of duplex fiber and various audio and VGA cables

Unique feature allows the two fibers to be cross connected without affecting operation!

Fiber cables can be up to 20 meters different in length!

RoHS Compliant

Ordering Information

Part Number	Description	Fiber Cores
7250-KIT-pp	Complete Kit - contents listed below*	2
7250-B7S	Transmitter, Box Version	2
7250-C7S	Transmitter, Card Version	2
7251-B7S	Receiver, Box Version	2
7251-C7S	Receiver, Card Version	2
PDPS-1-pp	Power Supply	
101933	6 ft. HD-15M to HD-15M VGA type cable	
1206	6 ft. HD-15M to 5 x BNC-M RGBHV cable	
1214	6 ft. 3.5 mm plug to 3.5 mm plug stereo audio cable	
1213	6 ft. 3.5 mm plug to 2 x RCA-M stereo audio cable	
6340	ST-M to FCPC-F adapter for multimode fiber	
6350	ST-M to FCPC-F adapter for single mode fiber	

7250-Kit-pp includes:

Qty	Part Number
1	7250-B7S
1	7251-B7S
2	PDPS-1-pp (specify line cord)
2	101933
1	1206
2	1214
1	1213
1	124857: 250 m (820 ft.) of plenum rated duplex SM fiber with ST connectors and a pulling eye

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

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

Sales



CSI Communications Specialties, Inc.

631-273-0404 | commspecial.com
info@commspecial.com



7250 RGB Series



Operating Loss Budget & Maximum Usable Distance*

Wavelength	Loss(dB)	Distance (km)
1310 MM	0-15	0.75
1310 SM	0-15	30

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 Video Channels	1 RGBHV
RGB Processing	24 bits, no compression or scaling
Input Impedance	RGB: 75 Ohms; H & V: Hi-Z
Input Level	RGB: 714 mV p-p; H & V: 3 to 5 V p-p
H Sync Frequency Range	15 to 75 kHz
V Sync Frequency Range	30 to 85 Hz
RGB Format Supported	RGB with separate H and V

Audio Specifications

Number of Audio Channels	2, unbalanced
Frequency Response	+0/-0.5 dB, 20 Hz - 20 kHz
Bits-per-Sample/Sampling Rate	24 bits; 54 kHz
Maximum Audio Level	+10 dBu
SNR (A-Weighted)	95 dB
THD+N	0.005%, 20 Hz - 20 kHz
Channel Phase Differential	±0.1°
Crosstalk	Min. 95 dB (1 kHz)
Input Impedance	>24 k Ohms
Output Impedance	< 1 Ohm
Audio to Video Diff. Delay (skew)	<300 uSec

General Specifications

LED Indicators	Power, Video, Audio, Alarm LED (card version only)
Allowable Differential Fiber Length	20 meters
Power Requirements*	9-24 volts AC or DC, 10 watts
Operating Temperature Range	-20°C to +50°C
Optical Connectors	ST x 2
Operating Wavelength	1310 nm
Physical Size	6.5 W x 1.15 H x 8 L (inches) 165 W x 29 H x 203 L (mm)
Weight	1 lb. (0.455 kg)
Slots filled in 6000A Card Cage	2
MTBF	74,000 Hours

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