FiberLink® 7220 - RGB Series

FEATURES

Supports VGA, SVGA, XGA and WXGA (640 x 480 up to 1366 x 768)

Supports HDTV resolutions of 480p, 720p and 1080i (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 one single mode or multimode fiber optic core at 1310 nm wavelength

Low audio/video skew, <300 uSec

RoHS Compliant

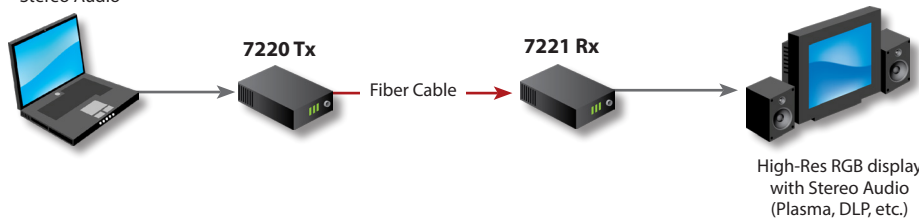Available in box version only.
Power supply sold separately

Digitally transmits high-resolution RGB (up to WXGA) and stereo audio over one single mode or multimode fiber optic core

Ideal for digital signage, command and control centers, auditoriums, stadiums and theaters, transportation hubs, distance learning, surgical and medical imaging.

Point-to-Point Distribution

High-Res RGB,
up to WXGA with
Stereo Audio

7220 Tx

Fiber Cable

7221 Rx

High-Res RGB display
with Stereo Audio
(Plasma, DLP, etc.)

■ SPECIFICATIONS

Video Specifications

Number of Video Channels Supported	1 RGBHV
Number of Baseband Video Outputs	7221: 1 RGBHV
RGB Processing	24 bits, no compression, scaling or color space conversion
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	31.5 to 60 kHz
V Sync Frequency Range	30 to 85 Hz
RGB Format Supported	RGB with separate H and V

Audio Specifications

Number of Audio Channels Supported	2, unbalanced
Number of Baseband Audio Outputs	7221: 2 unbalanced
Frequency Response	+0/-0.5 dB, 20 Hz - 20 kHz
Bits-per-Sample/Sampling Rate	24 bits; 54 kHz
THD+N	0.005%, 20 Hz - 20 kHz
Maximum Audio Level	+10 dBu
SNR (A-Weighted)	95 dB
Channel Phase Differential	+0.1o
Crosstalk	Min. 95 dB (1kHz)
Input Impedance	>24 k Ohms
Output Impedance	< 1 Ohm
Audio to Video Differential Delay (skew)	<300 uSec

General Specifications

LED Indicators	Power, Video, Audio
Power Requirements	
7220*, 7221*	9-24 volts AC or DC, 5 watts
Physical Size	
7220, 7221	5 W x 1.15 H x 5.25 L (inches)
	127 W x 29 H x 133 L (mm)

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.

UPDATED 11/10/2017

All specifications subject to change without notice. ©2017

Ordering Information

Part Number	Description	Fiber Cores
7220-B7S	Transmitter, Box Version	1
7221-B7S	Receiver, Box 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	

Sales

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