



FiberLink® 3620A Composite Video & Audio Series



Composite video and two audio channels transmitted digitally over one single mode or multimode fiber

The FiberLink 3620A Series transmits composite video and two independent audio channels over one multimode or single mode fiber.

It is ideal for Videoconferencing, Broadcast and Cable TV and Digital Signage applications.



FEATURES

Composite Video & Stereo Audio over Fiber

Ideal Applications: Videoconferencing, Broadcast and Cable TV, Digital Signage

10 MHz video bandwidth

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

Two audio channels that may be user-configured for balanced or unbalanced inputs and outputs

Switch selectable audio output gain boost of +0 dB or +6 dB

Indicator LEDs monitor power, video and audio signals

Transmits over one multimode or single mode fiber

No adjustments; pure digital processing and transmission

Wide range power supply allows operation from both AC and DC sources

System consists of transmitter and receiver unit. Each end, plus power supply, must be purchased separately.

SPECIFICATIONS

Video

Frequency Response	10 MHz (-3 dB), ±0.2 dB to 5 MHz
Input/Output Impedance	75 Ohms, nominal
Signal-to-Noise Ratio	60 dB (CCIR weighted)
Differential Gain	0.5%
Differential Phase	0.5°
Y/C Delay	< 10 ns
2T K-Factor	0.5%
System Gain	Unity Gain, ± 3%
Video Connector	BNC

Audio

Number of Audio Channels	2, balanced or unbalanced
Bits per sample/ Sampling Rate	24 bits, 52 kHz
Audio Connector	Screw terminal block
Switches	Select input termination Balanced or unbalanced input/output, selectable on a per-channel basis Output gain boost +0 dB or +6 dB
Frequency Response	+0/-0.5 dB, 20 Hz - 20 kHz
Maximum Audio Level	+10 dBu
Signal-to-Noise Ratio (A-weighted) (balanced)	95 dB referenced full scale
THD	0.002%, 20Hz - 20 kHz, full scale
Channel Phase Differential	±0.1°
Crosstalk	-100 dB (1kHz)
Audio Noise Level	-85 dBm
System Gain	Unity Gain, ±3%, input: balanced 600 ohms, 50 ohms source impedance ; output: balanced into 600 ohms, gain boost 0 dB.
Receiver Output Gain	+0 dB or +6 dB; switch selectable
Input Impedance	600 Ohms terminated, >24K ohms unterminated
Output Impedance	50 Ohms nominal
Audio to Video Diff. Delay (skew)	<300 usec

Operating Loss Budget and Maximum Usable Distance*

Wavelength	Loss(dB)	Distance (km)
SM	0-17	40
MM (50u)	0-20	7.5
MM (62.5u)	0-20	5

SM = Single Mode Fiber

MM = MultiMode Fiber

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

General Specifications

LED Indicators	Power, Video, Audio,
Power	9-24 volts AC or DC TX: 3.5 watts, 11.94 BTU/Hr RX: 3.5 watts, 11.94 BTU/Hr
Operating Temperature Range	-10° to +60° C
Optical Connectors	ST
Operating Wavelength	1310nm
Physical Size	5 W x 1.15 H x 5.25 L (inches) 127 W x 29 H x 133 L (mm)
Weight	approx. 10 oz.; 0.284 kg



Schedule
Contract GS-03F-016CA

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All specifications subject to change without notice. ©2017

Ordering Information

Part Number	Description	Fiber Cores
3620A-B7S	Transmitter, Box Version	1
3621A-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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