

RGB/AUDIO

7220 Series

RGBHV and Stereo Audio



- Transmits over one fiber in point-to-point, point-to-multipoint and drop-and-repeat configurations
- VGA, SVGA, XGA and WXGA (up to 1368 x 768)
- Supports HDTV resolutions of 480p, 720p and 1080i (RGBHV format only)
- 20 Hz – 20 kHz audio frequency response
- Digital transmission with no pixel skewing
- No adjustments



7220 Series

7230 Series



7240 Series

RGBHV, Stereo Audio, Ethernet and Two-Way Data



- Transmits over one fiber
- 10Base-T support enables communication between a local device (projector, etc) and a local area Network (LAN) server
- Bidirectional data channel supports RS-232, RS-422 and RS-485 protocols

7230 Series

RGBHV, and Stereo Audio - for Pioneer PDP



- Plug-in expansion card for fourth generation Pioneer PDPs
- Receives signal from any 7220 Series transmitter
- Certification pending from Pioneer

SIGNAL DISTRIBUTION

8000 Series

Four Output Optical DA



Point-to-multipoint distribution of optical signals with no degradation to baseband signal

- Configured for 1, 2, 3 or 4 outputs
- Works with most one-way Pure Digital Fiberlink systems
- 850, 1310 or 1550 nm
- Inputs and outputs configured separately
- Universal internal power supply

8100 Series

12 Output Optical DA



Point-to-multipoint distribution of optical signals with no degradation to baseband signal

- Configured for 2, 4, 6, 8, 10 or 12 outputs
- Wavelength and fiber type for outputs must be specified in groups of two
- Only 1 Rack Unit high with built-in power supply



8000 Series



COMPOSITE VIDEO

3400 Series

One-Way Composite Video



- 8 MHz video bandwidth
- Exceptional specifications
- Compact size, low price

7030 Series

Two Composite Video Channels



- 7 MHz video bandwidth
- Two channels of uncompressed video
- Operates with all composite video formats

7040 Series

Four Composite Video Channels



Same as the 7030 Series except the 7040 supports four video channels.

7100 Series

Wideband Composite Video



- 15 MHz video bandwidth
- Supports all video formats; NTSC/PAL/SECAM
- Signal-to-noise ratio > 67 dB per RS-250C
- Broadcast quality

3130 Series

10 Composite Video Channels



- Uncompressed video transmission with no degradation
- 6.5 MHz bandwidth per channel
- Only 1 RU high with built-in power supply

COMPOSITE VIDEO/AUDIO

3440 Series

Composite Video with Four Audio Channels



- 8 MHz video bandwidth, supports all formats
- 20 Hz – 20 kHz audio frequency response
- +10 dBu maximum audio level
- Line level, balanced or unbalanced audio

7130 Series

Wideband Composite Video with Four Audio Channels



- 15 MHz video bandwidth
- 20 Hz – 20 kHz audio frequency response, +24 dbu max. level
- Video signal-to-noise ratio > 67 dB per RS-250C
- Line level, balanced or unbalanced audio
- Broadcast quality

7140 Series

Four Composite Video Channels with Eight Audio Channels



- 7 MHz video bandwidth
- 20 Hz – 20 kHz audio frequency response
- Video signal-to-noise ratio > 60 dB
- Line level, balanced or unbalanced audio
- Only 1 rack unit high with built-in power supply
- Exceptional value

COMPOSITE VIDEO/DATA

3800 Series

One Composite Video Channel with Two-Way Data



- 8 MHz video bandwidth
- Operates with all video formats & most duplex or simplex PTZ systems
- Data protocol can be different or the same on transmitting & receiving ends

7300 Series

Two Composite Video Channels with Two-Way Data



Similar to the 3800 Series, but provides support for two video channels.

- 7 MHz video bandwidth

7400 Series

Four Composite Video Channels with Two-Way Data



Same as the 7300 Series, but provides support for four video channels.

3330 Series

Ten Composite Video Channels with Two-Way Data



- Uncompressed video transmission
- Full color, real-time transmission in NTSC/PAL/SECAM, 6.5 MHz bandwidth
- Data channel is compatible with RS-232, RS-422 and RS-485 standards
- Only 1 rack unit high with built-in power supply

COMPOSITE VIDEO/AUDIO/DATA

Flex System

Video, audio, data and contact closure transmission



The Pure Digital Fiberlink® Flex System is an all digital, custom-configurable fiber optic link. The Flex System can be ordered in a wide range of permutations, with the capability to transmit any or all of the following:

- One channel of composite video in one or two directions
- Four independent audio channels (four one-way or two bi-directional), line level, balanced or unbalanced
- Either two channels bi-directional data, two channels bi-directional contact closure or one channel of each
- All digital processing ensures uniform signal over entire transmission distance

SDI VIDEO

3120A Series

One SDI SMPTE-259M Channel



- Supports standard SDI rates from 143 Mbps to 360 Mbps
- Cable equalized Transmitter input with loop-through
- Two re-clocked outputs on Receiver


[Icon Key]

- No Tweaking Required
- Single or Multimode Fiber
- Universal Power Supply
- Box or Card Version
- Optional Two Fiber




3330 Series

7050 Series S-VIDEO/AUDIO


S-Video with Two Audio Channels 

- 7 MHz video bandwidth (luminance & chrominance)
- 20 Hz – 20 kHz audio frequency response
- Uses standard 4-pin mini-DIN S-Video connectors
- Line level, balanced or unbalanced audio

7060 Series
Two S-Video Channels with Four Audio Channels 


Same as the 7050 Series except the 7060 supports two channels of S-Video and four independent audio channels.

COMPONENT VIDEO/AUDIO

7070 Series
Component Video with Two Audio Channels 


- Video Bandwidth: 14 MHz luminance; 7 MHz chrominance
- 20 Hz – 20 kHz audio frequency response
- Supports Y-P_B-P_R, Y-C_B-C_R, YUV and Y, R-Y, B-Y formats
- Full bandwidth support for progressive scan DVD players and line doublers
- Line level, balanced or unbalanced audio

PROFESSIONAL AUDIO

4040 Series
Four Audio Channels 


- 20 Hz -20 kHz audio frequency response
- Line level, balanced or unbalanced audio
- +24 dBu maximum audio level

4160 Series

16 Audio Channels 


- 20 Hz -20 kHz audio frequency response
- +24 dBu maximum audio level
- Optional redundant optical input/output
- Line level, balanced or unbalanced audio
- Only 1 rack unit high with built-in power supply

4320 Series

32 Audio Channels 

Same as the 4160 Series except the 4320 supports 32 audio channels.

DATA

5012 Series
Universal Data Transceiver 

- Supports RS-232/422/485 (2-wire or 4-wire)
- Wide operating data rate
- Single or mixed protocol operation
- Loss-of-data alarm on card cage version
- Data derived or RTS transmit/receive switching (RS-485)
- End to end protocol conversion possible



RACK SYSTEMS

6000A
Card Cage Enclosure for Fiberlink Card Modules

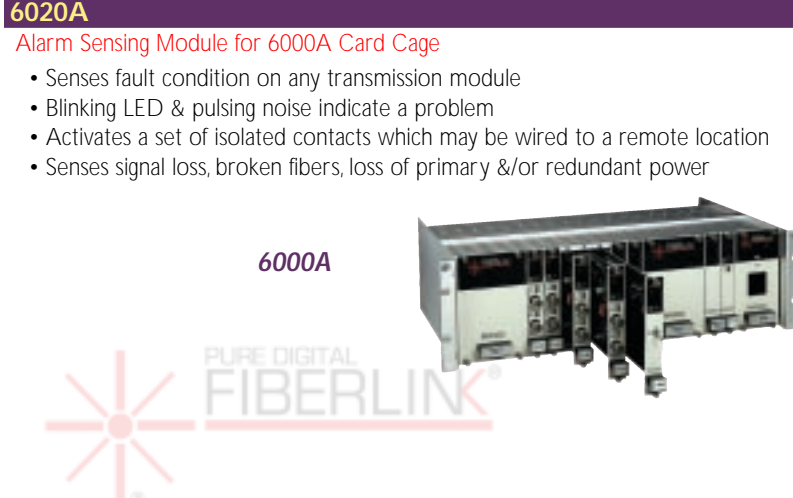
- 19 inches wide by 5 1/4 inches high (3RU)
- Accepts any combination of up to 20 compatible units
- Optional single and multiple position blank filler panels are available

6010A
Universal Switching Power Supply for 6000A Card Cage

- Occupies three positions in the 6000A card cage
- Powers any combination of card cage mounted transmission modules
- One or more additional units may be used for redundant operation

6020A
Alarm Sensing Module for 6000A Card Cage

- Senses fault condition on any transmission module
- Blinking LED & pulsing noise indicate a problem
- Activates a set of isolated contacts which may be wired to a remote location
- Senses signal loss, broken fibers, loss of primary &/or redundant power



Why fiber is the intelligent choice

Pure Digital Fiberlink all digital plug-n-play systems offer unbeatable performance, convenience, simplicity and price. If you're not using fiber to support your next professional A/V installation, consider these facts:

- Digital fiber can move your signals farther and cleaner than copper can.
- Multiple signals can be transmitted over a single fiber optic strand with no signal distortion, equalization or de-skewing.
- In material costs alone, fiber is about 10% less than standard CAT-5.
- Fiber is thinner and more flexible than coax, CAT-5, CAT-6 or twisted pair, and stands up to greater abuse.
- Fiber moves light, not electricity, eliminating ground loops and interference from surrounding equipment.
- Pure Digital Fiberlink point-to-multipoint solutions provide efficient topologies that require less linear feet of fiber.

Visit our website for more information, including datasheets on all of our products.

www.commspecial.com



Fiber Product Guide

2005 Edition




Fiber Systems for the A/V Industry

fiber optics
n. (used with sing. verb)
 The science or technology of light transmission through very fine, flexible glass or plastic fibers.

fiber-optic adj.

Introducing Pure Digital Fiberlink® — the name says it all! Pure Digital Fiberlink is the most extensive selection of all digital fiber optic systems for video, audio and data offered by any manufacturer. With products to support every type of video signal, multiplexers for transmitting multiple signals and combining signal types, and even optical distribution amplifiers that provide point-to-multipoint signal distribution, Pure Digital Fiberlink makes fiber solutions practical and affordable for any A/V application.

[Icon Key]

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-  Single or Multimode Fiber
-  Universal Power Supply
-  Box or Card Version
-  Optional Two Fiber

Communications Specialties, Inc.
 55 Cabot Court, Hauppauge, NY 11788
 Tel: 631-273-0404 Fax: 631-273-1638
 Internet: www.commspecial.com

Communications Specialties Pte Ltd
 100 Beach Road, #22-09, Shaw Tower
 Singapore 189702
 Tel: +65 6391 8790 Fax: +65 6396 0138