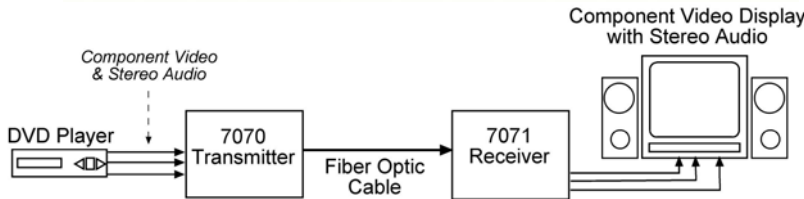


7070 SERIES

Digitally transmits all formats of component video with two independent audio channels over one fiber



7070/7071 - Digital		
SIGNAL	CHANNELS	DIRECTION
Component	1	→
Audio	2	→

Description and Features:

Supports Y-P_B-P_R, Y-C_B-C_R, YUV and Y/R-Y/B-Y component formats

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

System consists of transmitter and receiver unit; card or box version. Each end, plus power supply, must be purchased separately.

No adjustments; pure digital processing and transmission

14 MHz luminance bandwidth; 7 MHz chrominance bandwidth

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

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

Indicator LEDs monitor power, video and audio signals

Wide range power supply allows operation from low voltage AC and DC sources

Card version fills two slots in 6000A card cage

Ordering Information:

Part Number	Description	Number of Fibers
7070-Byz	Transmitter, Box Version	1
7070-Cyz	Transmitter, Card Version	1
7071-Byz	Receiver, Box Version	1
7071-Cyz	Receiver, Card Version	1
PDPS-1-pp	Power Supply	

Part Number Suffix Codes:

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

Power Supply Suffix Codes: (Line Cord)

- pp: NA N. America
- AU Australia
- EU Europe
- JP Japan
- UK United Kingdom



Video Specifications:

Frequency Response Y: 14 MHz; R-Y and B-Y: 7 MHz (-3 dB)

 Input/Output Impedance 75 Ohms

 Input/Output Voltage 1 V p-p nom., 1.1 V p-p max.

 Signal-to-Noise Ratio 62 dB (CCIR weighted)

 Differential Gain 1%

 Differential Phase 0.5 degree

 Video Connectors BNCs (3)

Audio Specifications (for each channel):

Number of Audio Channels 2, balanced or unbalanced

 Frequency Response 20 Hz - 20 kHz (-3 dB)

 Signal-to-Noise Ratio 85 dB

 Input/Output Impedance 600 Ohms or 24 k Ohms
 balanced or unbalanced

 Input/Output Voltage 0 dBu nominal, +10 dBu max.
 balanced or unbalanced

 THD 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,
 Audio Present (per channel),
 Alarm LED (card version only)

 Power Requirements* 9-24 volts AC or DC, 5 watts

 Operating Temperature Range -35° to +75° C

 Optical Connectors ST or FCPC

 Operating Wavelength 850, 1310 or 1550 nm

 Physical Size 6.5 W x 1.15 H x 8 L (inches)
 165 W x 29 H x 203 L (mm)

 Weight approx. 1 lb.; 0.45 kg

 Slots Filled in 6000A Card Cage 2

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



7070/7071 - Digital		
SIGNAL	CHANNELS	DIRECTION
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Audio	2	→

Operating Loss Budget and Maximum Usable Distance*:

Wavelength	Loss(dB)	Distance (km)
850 MM	0-20	0-.75
1310 MM	0-25	0-2
1310 SM	0-25	0-60
1550 SM	0-25	0-80

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

Warranty:

Pure Digital Fiberlink transmission systems are backed by a three-year limited warranty on parts and labor, plus a 30-day satisfaction guarantee.*

*See website for terms and conditions.



UPDATED 2/23/05

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