



CVD 4214 & CVD 4224

FIBER OPTIC HIGH RESOLUTION COMPUTER VIDEO WITH STEREO AUDIO TRANSMITTER AND RECEIVER



Features

- Transmission to 3 Kilometers
- Direct VGA Video Input, Local Monitor Support, and VGA Output
- Cable Connection Sets for SUN, SGI, and MAC
- ST Optical Connectors
- Automatic Gain Control
- DC Restoration
- Sync Polarity Selected Either Manually or Automatically
- Covers Complete Audio Frequency Range: 20 Hz to 20 KHz
- Elimination of Ground Loops
- Immunity to Electromagnetic Interference
- Rack Mountable, Metal Enclosure Internal Power

The CVD 4214 and CVD 4224 Fiber Optic Communication products by Covid allow direct connection of computers video and audio sources for signal transmission over fiber optic cable. Spanning distances to three kilometers, the CVD 4214 and CVD 4224 feature excellent picture quality through bright, sharp images without the signal degradation and smearing of coax at extended lengths. Signal integrity is also maintained through fiber optic cable's immunity to electrical interference and cross-talk. Fiber optic cable has certain intrinsic benefits for installation success including resistance to electromagnetic interference (EMI), lighting, and the elimination of ground loops through electrical isolation. Tactical and military installations often require fiber products due to their high security capacities.

C O V I D

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CVD 4214 & CVD 4224 (CONT.)

FIBER OPTIC HIGH RESOLUTION COMPUTER VIDEO WITH STEREO AUDIO TRANSMITTER AND RECEIVER



Technical Specifications (Video)

Video Specifications are the same as the CVD 4210 on the previous page. (page 69)

Technical Specifications (Transmitter)

INPUT OVERVIEW

Signal Stereo Analog, Balanced or Unbalanced
Connector 5.08 m, 5 Position, Terminal Block
Frequency Response 20 Hz to 20 KHz / Balanced
Nom. Signal Level +4 dBu / Balanced
Max. Signal Level +18.25 dBu / Balanced
Impedance 15K Ohms / Balanced

OUTPUT OVERVIEW (OPTICAL)

Signals AES3 6-Mbps Bi-Phase Coded PCM
A/D Sampling 24-bit / 48 KHz
A/D Dynamic Range 114 dB
Connector [1] ST Female
Light Source LED
Optical Wavelength 1300 nm
Modulation Digital IM
Required Cable Multi-mode 62.5 / 125 ?m or 50 / 125 ?m

Physical Specifications

Dimensions 1U High, 3/4 Rack Wide
(inches) 1.75 H x 12.75 W x 9.50 D
(cm) 4.45 H x 32.39 W x 24.13 D
Enclosure Aluminum, Black Texture Finish
Weight 4.2 lbs / 1.9 kg
Input Voltage 110 or 220 VAC,
60 / 50 Hz, Internal
Power Dissipated. 13.4 Watts

Accessories

CVD 0511-XX 15-Pin HD Cable (optional)
CVD 4100-4-XX ST to ST Fiber Cable (optional)
CVD 0184 Rack Mount Ears (optional)
CVD 0014 Power Cord (included)

List Price **\$1,975.00**

Technical Specifications (Video)

Video Specifications are the same as the CVD 4220 on the previous page. (page 69)

Technical Specifications (Receiver)

INPUT OVERVIEW

Signal AES3 6-Mbps Bi-phase Coded PCM [1] ST Female
Connector PIN Diode
Light Detector 1300 nm
Optical Wavelength Multi-mode
Modulation Digital IM
Required Cable 62.5/125 ?m or 50/125 ?m

OUTPUT OVERVIEW

Signals Stereo Analog, Balanced or Unbalanced
Connector 5.08m, 5 Position, Terminal Block
Frequency Response 20 Hz to 20 KHz
D/A Dynamic Range 106 dB
Nom Signal Level +4 dBu / Balanced
Max. Signal Level +18.25 dBu / Balanced
Impedance 100 Ohms / Balanced

Physical Specifications

Dimensions 1U High, 3/4 Rack Wide
(inches) 1.75 H x 12.75 W x 9.50 D
(cm) 4.45 H x 32.39 W x 24.13 D
Enclosure Aluminum, Black Texture Finish
Weight 4.4 lbs / 1.9 kg
Input Voltage 110 or 220 VAC,
60 / 50 Hz, Internal
Power Dissipated. 17.1 Watts

Accessories

CVD 0511-XX 15-Pin HD Cable (optional)
CVD 4100-4-XX ST to ST Fiber Cable (optional)
CVD 0184 Rack Mount Ears (included)

List Price **\$1,975.00**

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