



CVD 4210 & CVD 4220

FIBER OPTIC TRANSMITTER AND RECEIVER HIGH RESOLUTION COMPUTER VIDEO



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
- Elimination of Ground Loops
- Immunity to Electromagnetic Interference
- Rack Mountable, Metal Enclosure
- Internal Power

The CVD 4210 and CVD 4220 Fiber Optic Communication products by Covid allow direct connection of computer video for signal transmission over fiber optic cable. Spanning distances to three kilometers, the CVD 4210 and CVD 4220 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 4210 & CVD 4220 (CONT.)



FIBER OPTIC TRANSMITTER AND RECEIVER HIGH RESOLUTION COMPUTER VIDEO

Technical Specifications (Transmitter)

INPUT OVERVIEW

Signal VGA to UXGA (RGBHV, RGBS, RGB or RsGsBs)
 Connector [1] 15-Pin HD Female
 Video Impedance 75 Ohms
 Video Level 0.7 Vpp
 Sync Impedance 47K Ohms
 Sync Level TTL
 Sync Polarity Any
 H Frequency Range 15 KHz to 160 KHz
 Min H Pulse Width 750 ns
 V Frequency Range 20 Hz to 200 Hz

OUTPUT OVERVIEW (LOCAL MONITOR)

Output Signal VGA to UXGA (RGBHV, RGBS, RGB or RsGsBs)
 Connector [1] 15-Pin HD Female
 Video Impedance 75 Ohms
 Video Level Follows Input
 Sync Impedance 24 Ohms
 Sync Level 5 Vpp
 Sync Polarity Follows Input
 Bandwidth 350 MHz

OUTPUT OVERVIEW (OPTICAL)

Signal Proprietary
 Connectors [3] ST Female
 Light Source LED
 Electrical Bandwidth 350 MHz
 Optical Wavelength 820 nm
 Modulation Analog IM
 Required Cables Multimode 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 12.2 Watts

DISPLAYS
 Power On Indicate
 Transmission Ready Indicator
 H and V Sync Present Indicator

Accessories

CVD 0511-XX 15-Pin HD Cables (optional)
 CVD 0184 Rack Mount Ears (optional)
 CVD 0014 Power Cord (included)

List Price **\$1675.00**

Technical Specifications (Receiver)

INPUT OVERVIEW

Signal Proprietary
 Connectors [3] ST Female
 Light Detector PIN Diode
 Electrical Bandwidth 175 MHz
 Optical Wavelength 820 nm
 Modulation Analog IM
 Required Cables Multimode 62.5 / 125 ?m or 50 / 125 ?m

OUTPUT OVERVIEW

Signals VGA to UXGA (RGBHV, RGBS, RGB or RsGsBs)
 Connectors [1] 15-Pin HD Female
 Video Impedance 75 Ohms
 Video Level 0.7 Vpp
 Sync Impedance 21 Ohms
 Sync Level 5 Vpp
 Sync Polarity Manually Selectable or Original (Option)

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 / 2.0 kg
 Input Voltage 110 or 220 VAC, 60/50 Hz, Internal
 Power Dissipated 16.4 Watts

DISPLAYS
 Power On Indicate
 Optical Signal Strength Indicator
 H and V Sync Polarity Indicator

CONTROL
 4 Position DIP Switch . . Sw1: H Sync Polarity
 Sw2: V Sync Polarity
 Sw3: Auto or Manual Mode
 Sw4: Composite or Separate Sync

Accessories

CVD 0511-XX 15-Pin HD Cables (optional)
 CVD 4100-3-XX ST to ST Fiber Cable (optional)
 CVD 0184 Rack Mount Ears (optional)
 CVD 0014 Power Cord (included)

List Price **\$1675.00**

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