



## CVD 4218 & CVD 4228

### FIBER OPTIC TRANSMITTER AND RECEIVER HIGH RESOLUTION COMPUTER VIDEO WITH STEREO AUDIO AND KEYBOARD / MOUSE / RS232



#### 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
- KVM Extender
- PS/2 Keyboard and Mouse
- RS232
- Elimination of Ground Loops
- Immunity to Electromagnetic Interference
- Rack Mountable, Metal Enclosure
- Internal Power

The CVD 4218 and CVD 4228 Fiber Optic Communication Products by Covid allow direct connection of computers (KVM) and audio sources for signal transmission over fiber optic cable. Spanning distances to three kilometers, the CVD 4218 and CVD 4228 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

1723 West 4th Street • Tempe, Arizona 85281 • Toll Free: 800.638.6104 • Fax: 480.966.6728 • Internet: [www.covid.com](http://www.covid.com) • Email: [sales@covid.com](mailto:sales@covid.com)

# CVD 4218 & CVD 4228 (CONT.)

## FIBER OPTIC TRANSMITTER AND RECEIVER HIGH RESOLUTION COMPUTER VIDEO WITH AUDIO AND MOUSE/RS232



### Technical Specifications (Video & Audio)

Video Specifications are the same as the CVD 4210 on page 69. Audio Specifications are the same the CVD 4214 on page 71.

### Technical Specifications (Video & Audio)

Video Specifications are the same as the CVD 4220 on page 69. Audio Specifications are the same the CVD 4224 on page 71.

### Technical Specifications (Transmitter)

#### INPUT OVERVIEW

Signal . . . . . [1] 9-Pin D-Sub Female  
(RS232 or Serial Mouse)  
[2] 6-Pin Mini Din Female  
(PS/2 Keyboard and Mouse)  
[1] ST Female Pin Diode (RX)

#### OUTPUT OVERVIEW

Signals . . . . . [1] ST Female LED (TX)  
Optical Wavelength . . . 1300 nm  
Modulation . . . . . Digital IM  
Signal Format . . . . . 15-Mbps TDM  
Required Cables . . . . . Multi-mode 62.5 / 125 ?m  
or 50 / 125 ?m

### Technical Specifications (Receiver)

#### INPUT OVERVIEW

Signal . . . . . [1] ST Female Pin Diode (RX)

#### OUTPUT OVERVIEW

Signals . . . . . [1] 9-Pin D-Sub Male  
(RS232 or Serial Mouse)  
[2] 6-Pin Mini Din Female  
(PS/2 Keyboard and Mouse)  
[1] ST Female LED (TX)  
Optical Wavelength . . . 1300 nm  
Modulation . . . . . Digital IM  
Signal Format . . . . . 15-Mbps TDM  
Required Cables . . . . . Multi-mode 62.5 / 125 ?m  
or 50 / 125 ?m

### Physical Specifications

Dimensions . . . . . 1U High, 1Rack Wide  
(inches) . . . . . 1.75 H x 17.00 W x 9.50 D  
(cm) . . . . . 4.45 H x 43.18 W x 24.13 D  
Enclosure . . . . . Aluminum, Black Texture Finish  
Weight . . . . . 5.2 lbs / 2.4 kg  
Input Voltage . . . . . 110 or 220 VAC, 60/50 Hz,  
Internal  
Power Dissipated . . . . . 15.1 Watts

### Physical Specifications

Dimensions . . . . . 1U High, 1 Rack Wide  
(inches) . . . . . 1.75 H x 17.00 W x 9.50 D  
(cm) . . . . . 4.45 H x 43.18 W x 24.13 D  
Enclosure . . . . . Aluminum, Black Texture Finish  
Weight . . . . . 5.2 lbs / 2.4 kg  
Input Voltage . . . . . 110 or 220 VAC, 60/50 Hz,  
Internal  
Power Dissipated . . . . . 18.3 Watts

### Accessories

CVD 0511-XX . . . . . 15-Pin HD Cable (optional)  
CVD 4100-6-XX . . . . . ST to ST Fiber Cable (optional)  
CVD 0181 . . . . . Rack Mount Ears (optional)  
CVD 0014 . . . . . Power Cord (included)

### Accessories

CVD 0511-XX . . . . . 15-Pin HD Cable (optional)  
CVD 4100-6-XX . . . . . ST to ST Fiber Cable (optional)  
CVD 0181 . . . . . Rack Mount Ears (optional)  
CVD 0014 . . . . . Power Cord (included)

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