

# CVD 4210 & CVD 4220

## FIBER OPTIC TRANSMITTER AND RECEIVER HIGH RESOLUTION COMPUTER VIDEO



### Technical Specifications (Transmitter)

#### INPUT OVERVIEW

Signal . . . . .	VGA to UXGA (RGBHV, RGBS, RGsB or RsGsBs)
Connector . . . . .	[1] 15-Pin HD Female
Video Impedance . . . . .	75 Ohms
Video Level . . . . .	0.7 Vpp
Sync Impedance . . . . .	10K Ohms
Sync Level . . . . .	TTL
Sync Polarity. . . . .	Any
Min H Sync Pulse Width	750 ns

#### OUTPUT OVERVIEW (LOCAL MONITOR)

Output Signal. . . . .	VGA to UXGA (RGBHV, RGBS, RGsB or RsGsBs)
Connector. . . . .	[1] 15-Pin HD Female
Video Impedance . . . . .	75 Ohms
Video Level . . . . .	Follows Input
Sync Impedance . . . . .	75 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 . . . . .	250 MHz
Optical Wavelength . . . . .	820 nm
Modulation. . . . .	Analog IM
Required Cables . . . . .	Multimode 62.5 / 125 $\mu$ m or 50 / 125 $\mu$ 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

RGB Sync Presence and Fiber Channel Status Indicator  
Transmit Status Indicator  
Horizontal/Composite and Vertical Sync Present Indicator

### Technical Specifications (Receiver)

#### INPUT OVERVIEW

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

#### OUTPUT OVERVIEW

Signals . . . . .	VGA to UXGA (RGBHV, RGBS, RGsB or RsGsBs)
Connectors . . . . .	[1] 15-Pin HD Female
Video Impedance. . . . .	75 Ohms
Video Level . . . . .	0.7 Vpp
Sync Impedance . . . . .	75 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. . . . .	17 Watts

#### DISPLAYS

RGB Sync Presence and Fiber Channel Status Indicator  
Horizontal/Composite and Vertical Sync Present Indicator  
Receive Status Indicator

#### CONTROL

8 Position DIP Switch. . . . .	Sw1: RGBHV Video Format Sw2: RGBS Video Format Sw3: RGsB Video Format Sw4: RsGsBs Video Format Sw5: Composite or Separate Sync Sw6: V Sync Polarity Sw7: Auto or Manual Mode Sw8: Long or Short Reach (Fiber Length)
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### Accessories

CVD 0184 . . . . .	Rack Mount Ears (optional)
CVD 0014. . . . .	Power Cord (included)