

# CR-uSF AV 200R

COMPONENT/FIBER receiver



CR-uSF AV 200R

### Product overview

CR-uSF AV 200R is a single core multi-format optical fiber transmission receiving terminal supporting high resolution CVBS, YPbPr, VGA signal. It can restore the optical signals received to CVBS, YPbPr, VGA signal and audio signals, and can be used with CR-uSF HD 200T or optical fiber matrix. Support RS-232 and IR pass through.

### Features

- Support single core multi-format fiber transmission of high resolution CVBS, YPbPr, VGA signal.
- Support transmission of Audio signal, IR signal and RS-232 signal.
- Transmission distance up to 300M.

### Specifications

The parameter name		CR-uSF AV 200R	
Interface HD-DB15 bus interface			
Signal type	Composite video CV / Component video YPbPr	VGA video	
Gain	0dB	0 dB	
Bandwidth	CV: 150MHz @ -3dB YPbPr: 350MHz @ -3dB	380 MHz	
Differential phase error	0.1%, 3.58-4.43 MHz		
Differential gain error	0.1%, 3.58-4.43 MHz		
Signal strength	1Vpp: composite video (CVBS) 1V pp: (Component video in Y) 0.3Vpp: (Component video in PbPr/CbCr)	0.63Vpp - 0.9 Vpp	
Minimum / maximum level	Analog signal: -2V/+2V	RGB signal:	0V/1.0V
Input impedance	75 Ω	HV signal:	0V/5.0V
Echo loss	<-30dB@5MHz	<-30dB@5MHz	
Interface 3.5mm stereo audio socket			
Gain	0 dB		
Frequency response	20 Hz ~ 20 kHz,		
Total harmonic distortion + noise	0.01% @ 1 kHz (Under rated voltage)		
The signal-to-noise ratio (C / N)	>80dB at Vin=0 V		
Stereo separation	>80dB @ 1 kHz		
Common mode rejection ratio (CMRR)	>75dB @: 20 Hz ~ 20 kHz		
Signal type	Stereo		
Impedance	Input: >10 kΩ(Balanced or unbalanced connection) Output: 50Ω(Unbalanced connection)		
Maximum input level	3Vpp		
Gain error	±0.1dB @20 Hz ~ 20 kHz		
Interface 3.5mm stereo audio socket			
Signal type	Input: Digital Output: Digital		
Output level type	PLL level		
Wavelength	850nm		
Carrier frequency of input level	38KHz		



Size (mm):  
162(L)×155(W)×35(H)

### Specifications

The parameter name		CR-uSF AV 200R	
RS-232	Interface	3.5mm stereo audio socket	
	Signal type	Digital	
	Level type	RS-232 level	
	Signal direction	Two-way communication	
	Baud rate	Min: 4800bps	Max: 115200bps
	Data bits	8	
	Stop bit	1	
	The correction bits	None	
	Flow control	None	
	Level delay	500 ns	
Level peak	±15V		
Optical fiber output	The fiber output interface	SC connector	
	Fiber type	Multimode/Single Mode (Optional)	
	Wavelength	Multimode 850nm/Single Mode: 1310 ~1620nm (Optional)	
	Interface bandwidth	Positive: 6.25Gbps, Reverse: 3.125Gbps	
	Clock jitter	<0.15 Tbit	
	Rise time	<0.3Tbit (20%~80%)	
	Fall time	<0.3Tbit (20%~80%)	
	The recommended maximum input distance	Om3 multimode fiber: less than 300 meters, at 1920x1080p@60. Single-mode fiber: 2` 20km	
	Power supply	The power adapter, 12VDC/2A	
	Maximum power dissipation	MAX 4W	
Specifications	Temperature	Storage, use temperature: -20°C~+70°C	
	Humidity	Storage, use humidity: 10%-90%	
	Mean time between failures	30,000 hours	
	The warranty	1 year free warranty	

### System connection diagram

