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Find the *JAI / Pulnix CV-M2350* at our website: ***Click HERE***

CV-M2000 SERIES

Micro Head Color Camera



- *Complete series with 1/2" or 1/3" color Hyper HAD IT CCDs*
- *Remote head with ø17 or ø12 mm housing, 2 or 5m cable*
- *PAL: 752 (h) x 582 (v) pixels. NTSC: 768 (h) x 494 (v) pixels*
- *Improved sensitivity and image performance*
- *Based on latest Digital Signal Processing (DSP)*
- *H and V enhancer for sharp detailed image via RS 232C setup*
- *VBS, Y/C and RGB video output*
- *Positive/negative color reversal*
- *Shutter speed 1/50 (1/60 NTSC) to 1/10,000 second*
- *Internal/external synchronizing with composite video signal*
- *On-screen menu for fast camera setup*
- *OEM versions with 4 frames memory*
- *Remote setup by RS 232C or remote control unit*
- *Windows 95/98/NT setup software*

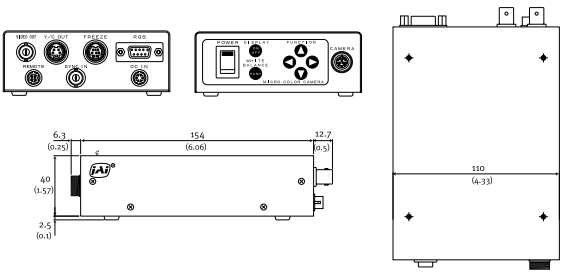
The leading manufacturer of high performance camera solutions

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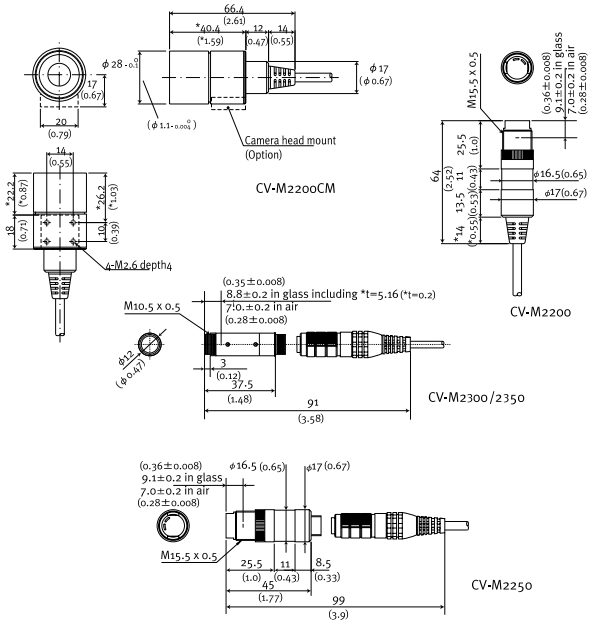
Specifications for CV-M2000 series

Specifications	PAL	NTSC
Scanning system Interlaced	625 lines 25 frames/sec. 2:1 Interlaced	525 lines, 30 frames/sec. 2:1 Interlaced
Scanning frequency (h) (v)	15.625 kHz 50 Hz	15.734 kHz 59.94 Hz
CCD sensor	Color 1/2" or 1/3" Hyper HAD IT CCD	
Effective pixels	752 (h) x 582 (v)	768 (h) x 494 (v)
Sensing area 1/2" CV-M2200/2250 1/3" CV-M2300/2350	 6.5 (h) x 4.8 (v) mm 4.9 (h) x 3.7 (v) mm	
Cell size 1/2" CV-M2200/2250 1/3" CV-M2300/2350	 8.6 (h) x 8.3 (v) µm 6.5 (h) x 6.25 (v) µm	 8.4 (h) x 9.8 (v) µm 6.35 (h) x 7.4 (v) µm
Resolution (horizontal)	>450 TV lines	
Sensitivity on sensor 1/2" CV-M2200/2250 1/3" CV-M2300/2350	 0.25 Lux, Max gain, 50% video 0.34 Lux, Max gain, 50% video	
S/N ratio	>48 dB (Min. gain, Gamma 1)	
Gamma	0.4, 0.6, 1.0	
Gain	Auto, manual or fixed	
Gain range AGC Manual Fixed	 -6 to +12 dB -6 to +12 dB 0 dB	
White balance	3200K, 4600K, 5600K, Auto, Manual, One push	
Back light compensation	Off, Pattern 1, Pattern 2	
Video output Composite Y/C RGB	 VBS 1.0 Vpp, 75 Ohm Y= 0.7 Vpp, 75 Ohm. C= 0.28 Vpp, 75Ohm 0.7 Vpp, 75 Ohm	
Video reversal Y/C	Positive/Negative	
Synchronization	Int. X-tal ext. VS or ext. sync.	
Sync. input	Composite 1 Vpp, 75 Ohm	
Sync. output	Composite 2 Vpp, 75 Ohm	
Shutter	Off, 1/250, 1/500, 1/1000, 1/2000 1/4000, 1/10,000, CCD Iris, Flickerless	
CCD Iris	1/50 (1/60) to 1/10,000 sec.	
Flickerless	1/120 sec.	1/100 sec.
Functions with On-screen menu	White balance, Shutter, Gain, Back light compensation, Video reversal	
Serial control	RS 232C	
Functions with RS 232C	White balance, Shutter, Gain, Back light compensation, Video reversal, Y reversal, C revesal, Enhancer, Gamma, Color gain	
Operating temperature	-5°C to +45°C	
Humidity	20% to 80% non-condensing	
Power	12V DC ±10%. 4.5 W	
Dimensions, CCU	40 x 110 x 154 mm (HxWxD)	
Weight, CCU	550 g	
Dimensions head	*See drawing*	
Lens mount ø17 mm ø12 mm CM version	Special mount M15.5 x 0.5 Special mount M10.5 x 0.5 C-mount	

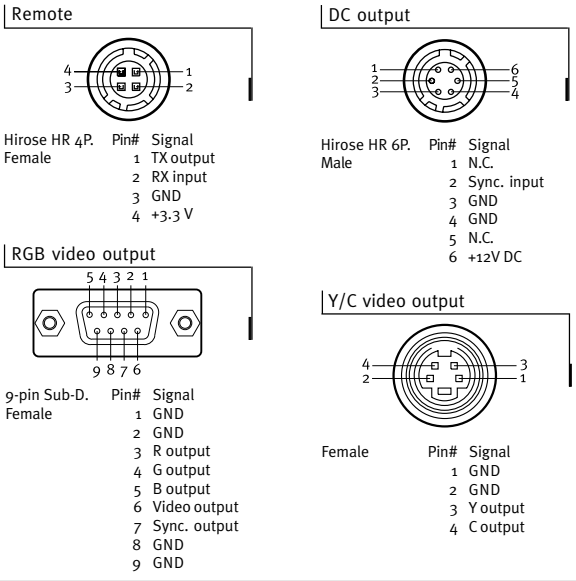
Dimensions Camera Control Unit



Dimensions Camera Heads



Connection Description



Remote

Hirose HR 4P. Female

Pin#	Signal
1	TX output
2	RX input
3	GND
4	+3.3 V

DC output

Hirose HR 6P. Male

Pin#	Signal
1	N.C.
2	Sync. input
3	GND
4	GND
5	N.C.
6	+12V DC

RGB video output

9-pin Sub-D. Female

Pin#	Signal
1	GND
2	GND
3	R output
4	G output
5	B output
6	Video output
7	Sync. output
8	GND
9	GND

Y/C video output

Female

Pin#	Signal
1	GND
2	GND
3	Y output
4	C output

Ordering Information

CV-M2200 1/2" ø17 mm, Camera Head, 2 m Cable. PAL or NTSC
CV-M2250 1/2" ø17 mm Detachable Camera Head, 5 m Cable. PAL or NTSC
CV-M2200CM 1/2" Camera Head with C-mount, 2 m Cable. PAL or NTSC
CV-M2300 1/3" ø12 mm Detachable Camera Head, 2 m Cable. PAL or NTSC
CV-M2350 1/3" ø12 mm Detachable Camera Head, 5 m Cable. PAL or NTSC
OP735 7.5 mm Lens, F 1.6, ø17 mm for 1/2" Camera Head*
OP715 15 mm Lens, F 2.0, ø17 mm for 1/2" Camera Head*
OP724 24 mm Lens, F 3.1, ø17 mm for 1/2" Camera Head*
OP105 5.6 mm Lens, F 2.0, ø12 mm for 1/3" Camera Head*
MP30 Bracket for ø17 mm Camera Head*
MP35 Bracket for ø12 mm Camera Head*
MP60 Camera Head Mount*

* Must be ordered separately

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