



CV-S3200/S3300 SERIES

Super Sensitive DSP Color Camera



- ***With new super sensitive 1/2" and 1/3" sensor EXview HAD CCD™***
- ***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)***
- ***VBS and Y/C video output***
- ***Extended sensitivity with integration for low light applications***
- ***Automatic shift from shutter to integration for wider light range***
- ***Long time integration up to 64 fields***
- ***Output for video controlled and direct drive iris***
- ***On-screen menu control with push buttons on rear***
- ***Horizontal scan reversal (mirror image) and Y/C reversal***
- ***Back light compensation with selectable patterns***
- ***Setup by Windows 98/NT/2000 Software via RS 232C***

The leading manufacturer of high performance camera solutions

Specifications for CV-S3200/S3300 Series

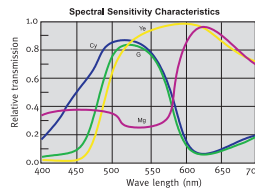
Specifications	PAL	NTSC
Scanning system	625 lines 25 frames/sec. 2:1 interlaced	525 lines 30 frames/sec. 2:1 interlaced
CCD sensor	Color 1/2" and 1/3" ITEXview HAD CCD™	
Sensing area	6.6 (h) x 4.8 (v) mm 4.9 (h) x 3.7 (v) mm	
Effective pixels	752 (h) x 582 (v)	768 (h) x 494 (v)
Cell size	8.6 (h) x 8.3 (v) μm 6.5 (h) x 6.25(v) μm	
Sensitivity on sensor	0.09 Lux (AGC on, 50% video, 2856K) 0.025 Lux (with 4 fields integration)	
S/N ratio	>50 dB (AGC off, Gamma 1.0)	
Video output	1.0 Vpp, 75 Ohm. VBS and Y/C	
Gain mode	Fixed, AGC 12 dB, AGC 24 dB, Manual	
Gain range	Fixed 0 dB AGC 12 dB 0 to +12 dB AGC 24 dB 0 to +24 dB Manual (on-screen menu) 0 to +24 dB Manual (RS 232C) 0 to +24 dB	
Gamma	0.45 - 0.6 - 1	
White balance	3200K, 4600K, 5600K, Auto, Manual, One-push	
Iris control	Direct drive or video controlled	
Iris direct drive	±Drive and ±Damp. Level adjust	
Iris video output	1Vpp video and +9V DC	
Back light compensation	Off, Pattern 1, pattern 2, Pattern 3	
Synchronization	Internal X-tal or external lock	
External lock input	1 Vpp. VBS or composite sync.	
Scanning reversal	Off, On (horizontally mirrored)	
Shutter	Off (1/50 PAL, 1/60 NTSC), 1/125, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10,000 sec., CCD Iris	
Shutter flickerless	1/120 sec.	1/100 sec.
Extended sensitivity (Integration)	Off, Sensitive 1, Sensitive 2, Exposure time 2 to 64 fields	
Camera setup	On-screen menu or RS 232C	
Functions for on-screen menu and RS 232C	Shutter, Integration, Gain, Gamma, Back light, Scan reversal, White balance, Iris level control	
Functions RS 232C only	Y/C reversal	
Operating temperature	-10°C to +50°C*	
Humidity	20-80% non-condensing	
Power	12V DC ± 10%. 3W	
Lens mount	CS-mount	
Flange back adjust	± 1 mm	
Dimensions	45 x 55 x 110.2 mm (HxWxD)	
Weight	350 g	

* Recommended temp.: 0°C to 40°C

Ordering Information

CV-S3200P 1/2" Super Sensitive DSP Color Camera. PAL
 CV-S3300P 1/3" Super Sensitive DSP Color Camera. PAL
 CV-S3200N 1/2" Super Sensitive DSP Color Camera. NTSC
 CV-S3300N 1/3" Super Sensitive DSP Color Camera. NTSC
 Lens plug, Y/C plug and C-mount adapter are included.

Spectral Sensitivity



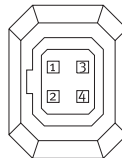
Connection Description

Y/C video out Female



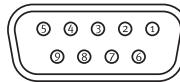
- Pin 1 GND
 2 GND
 3 Y out
 4 C out

Lens connector Female



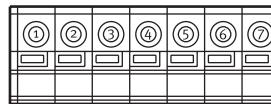
- Pin 1 +9 V/-Damp
 2 NC/+Damp
 3 Iris video/+Drive
 4 GND/-Drive

DC IN/Sync./RS 232C Sub-D. Female



- Pin 1 GND
 2 +12V DC
 3 GND
 4 Video out
 5 Sync. in
 6 Y out
 7 C out
 8 Tx out
 9 Rx in

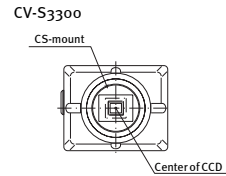
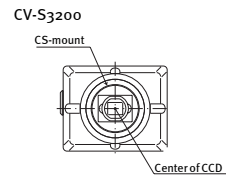
Terminal on CV-S3300 7 pin terminal



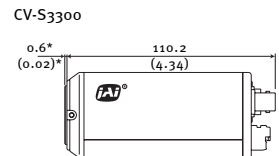
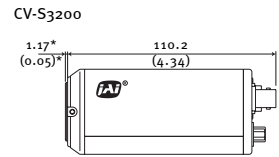
- Pin 1 Rx in
 2 Tx out
 3 GND
 4 Sync. in
 5 GND
 6 +12V DC
 7 GND

Dimensions

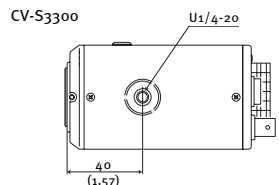
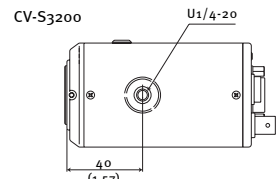
Front view



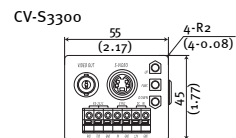
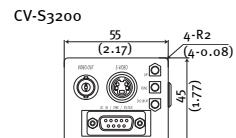
Side view



Bottom view



Rear view



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