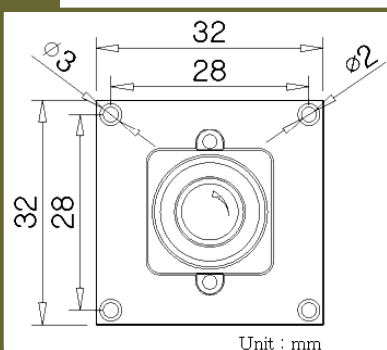




# CLR255 SERIES

## 1/3" DSP COLOR CAMERA MODULE



Actual size



### Special Features

- Sony's latest ICX638 Super HAD CCD
- Extremely low current consumption of only 90mA
- Runs much cooler than other Board Cameras
- Low Light Sensitivity of 0.2Lux

Using Sony's latest top of the line ICX638 Super HAD CCD, the 255 is the next step in CCD camera technology. The Sony ICX638 CCD has been very much improved in light sensitivity, resolution, and gain from the ICX408 which is currently used in most high resolution Sony CCD cameras. With a tiny size of just 32x32mm, 550 TV Lines of resolution, and a low current consumption of 90mA, the 250P is essential for any modular CCD camera application.

### Specifications

Signal Format	NTSC
Image Sensor	Sony 1/3" high res CCD (ICX638)
Scanning System	2:1 Interlace
Scanning Frequency	15.734KHz (H), 59.94Hz (V)
Horizontal Res	550 TV Lines
Electronic Shutter	1/60 ~ 1/100,000 sec
S/N Ratio	More than 45dB (AGC off)
Sync System	Internal
Min. Illumination	0.2 LUX
Total Pixels	811(H)x508(V), 410K
Effective Pixels	768(H)x494(V), 380K
Gamma	$\gamma = 0.45$
Power	DC12V ( $\pm 10\%$ )
Current Consumption	90mA or less
Operating Temp.	-10°C ~ +45°C
Storage Temp.	-20°C ~ +60°C
Video Output	1[Vp-p] Composite 75Ω unbalanced
Dimensions	32mm x 32mm
Option	Mirror, Digital D&N

### Lens Options

Model	Board Lens						Pinhole Lens		Fixed Iris Lens
	(P)	(C)	(P)	(C)					
<b>Focal Length</b>	2.45mm	2.97mm	3.6mm	6mm	8mm	12mm	3.7mm	4.3mm	4~8mm
<b>Angle of View</b>	89	78	67	44	33	23	66	58	74~41