



CLR700 SERIES

Features

- ✓ Sony's latest ICX638 Color Super HAD CCD II
- ✓ High Resolution 550TVL
- ✓ Extremely low current consumption of only 65mA
- ✓ Low Light Sensitivity of 0.2Lux
- ✓ Only 30x30 mm. smallest color mini square CCD

Using Sony's latest top of the line ICX638 Super HAD CCD II, the CLR700 is the next step in Color CCD Camera Technology. The Sony ICX638 CCD (Super HAD CCD II) has been much improved in light sensitivity, resolution, and gain from the ICX408 (Super HAD CCD) currently used in most high resolution Sony CCD cameras. With a size of just 30x30mm, 550 TV Lines of resolution, and a low current consumption of 65mA, the CLR700 is essential for any miniature CCD camera application.



Specifications

Signal Format	NTSC
Image Sensor	Sony 1/3" High Res CCD II (ICX638)
Total Pixels	811H × 508V (401K)
Effective Pixels	768H × 494V (380K)
Scanning System	2:1 Interlace
Scanning Frequency	15.734KHz (H), 59.94Hz (V)
Horizontal Resolution	550 TVLines
Electronic Shutter	1/60 ~ 1/100,000 sec
S/N Ratio	More than 45dB (AGC off)
Sync System	Internal
Min. Illumination	0.2 LUX @ F2.0
Gamma	$\gamma = 0.45$
Video Output	1 [Vp-p] (75 Ω unbalanced)
Dimensions	30mm x 30mm
Power	DC12V ($\pm 10\%$)
Current Consumption	65mA or less
Operating Temp.	-10°C ~ +45°C
Storage Temp.	-20°C ~ +60°C
Option	Audio / Mirror / Digital D&N

Lens Options

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