



# CLR190 SERIES

SONY 1/3" SUPER HAD II CCD



CLR190WX



CLR190P1



CLR190P4

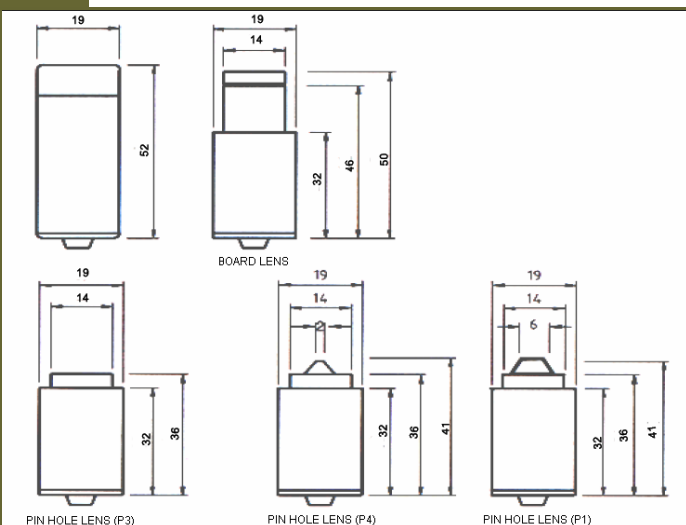
## Special Features

- Sony's latest ICX638 Super HAD CCD
- Extremely low current consumption of only 90mA
- Smallest Bullet CCD Camera for High Resolution Display.
- Low Light Sensitivity of 0.05 Lux & 550 TV Lines

The CLR190 series cameras are the smallest bullet cameras in the world. Only 19 mm in diameter, this will fit in every single kind of application.

## Specifications

Signal format	NTSC
Image Sensor	Sony 1/3" High Res CCD (ICX638)
Effective Pixels	768H × 494V (380K pixels)
Scanning System	2:1 Interlace
Scanning Frequency	15.734KHz (H), 59.94Hz (V)
Horizontal Resolution	550 TV Lines
Shutter Speed	1/60 ~ 1/100,000 sec
S/N Ratio	More than 45dB (AGC off)
Sync System	Internal
Sensitivity	0.05 LUX
Gamma	$\gamma = 0.45$
Video Output	1.0 Vp-p Composite 75Ω unbalanced
Dimensions	19mm diameter
Power Supply	DC12V (±10%)
Power Consumption	90mA or less
Operating Temp.	-10°C ~ + 45°C
Storage Temp.	-20°C ~ + 60°C
Option	Mirror, Digital D&N



Dimensions (unit:mm)



CLR190S

## 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