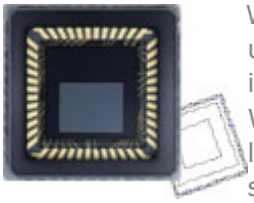
MV5103p



Wide Dynamic Range (WDR) CMOS image sensor technology refers to its unique ability to combine both low and high illumination in a singular image without any lost image date. Our company's WiDy™, MV5103p WDR image sensor has overcome the preexisting WDR image sensors' limits and is able to produce a superior image even in various lighting situations.

Features

- Wide Dynamic Range Tecnology
- System-on-a-chip (SoC) completely integrated camera system
- NTSC/PAL analog composite video output
- 8-,10-bit parallel digital output
- DPC, Interpolation, Lens shading
- Color correction, Sharpness, Gamma, Image effects
- Automatic features : Auto Exposure, Auto White Balance, Black Level calibration, Anti-Flicker, Motion Detection

Product Specification

PARAMETER		TYPICAL VALUE
Optical Dimension	Optical Format	1/3 inch
	Pixel Size	7.8 um X 7.8 um
	Effective Resolution	640(H) X 480(V)
	Active Pixel Area	5.00 mm(H) X 3.74 mm(V)
Digital Output		RGB Bayer, YCbCr/YUV422, GB565/666, Progressive, Parallel 30~60fps
Analog Output		NTSC, PAL @27MHz
Shutter Type		Electronic Rolling Shutter
Sensitivity		5.4 V / lux·sec
Dynamic Range		120 dB
SNR		37 dB
Max. Programmable Gain		analog (x8), digital (x16)
Supply Voltage	Pixel	2.8V ± 10%
	Analog	2.8V ± 10% / 1.8V ± 10%
	Digital	1.8V ± 10%
	I/O	1.8V or 2.8V ± 10%
Power Consumption	Active	400mW
	Standby	0,2mW
Operating Temperature		−40°C ~ 105°C
Package Type		CLCC