

S5K3E1G

1/3.2" 5-Mega Pixel SOC

[Features]

- CMOS image sensor only
- Line progressive read out
- Vertical and horizontal flip mode
- Continuous frame capture mode
- Sub-sampled read-out(x2, x4, x8)
- Output format: RAW 8/10/12bit
- Operating temperature : -30°C to +70°C
- Internal PLL for clock generation
- MIPI(CSI-2), CCP2(Class2) Compatible
- Parallel Mode supported
- CFPN canceller
- shading correction
- Control Interface : I2C compatible

[CMOS Image Sensor]

Parameter	Value	
Optical Format	1/3.2"	
Active Pixels	2608(H) x 1952(V)	
Pixel size	1.75um x 1.75um	
Shutter Type	Electronic Rolling Shutter	
Max. Frame Rate	15fps @ 5MP	
ADC Resolution	10,12bit	
Saturation Level	8.0Ke-(Linear)	
Sensitivity @G	0.8 V/Lux·sec	
SNR	39dB	
Input Frequency	6~27MHz	
Pixel Clock	Up to 88MHz	
Supply Voltage	Analog	2.8V
	Digital	1.2V (Internal regulator from 1.8V)
	I/O	1.8V ~ 2.8V
Schedule	FS('07. 05) MP('07.)	

•MIPI - Serial Interface

- 10-bit mode: 15fps possible with single MIPI lane (880Mbps)
- 12-bit mode: 12fps single MIPI (897Mbps)

