

S5K4CAG

1/4" 3-Mega Pixel SOC

[Features]

- JPEG On-the-fly
- AF/AE/AWB – 3A
- MIPI CSI2 – compliant (2-lane)
- Any Size Image scaling up/down
- Output Format
 - IUT-R 601/656
 - RGB 565/666/888
 - 10 bits Raw Data
- Support Xenon and LED type flash
- Max. PLL output freq: 1GHz for MIPI
- Internal Regulator: 1.8V to 1.2V(120mA)
- Control I/F: I2C(slave/master), 6PWM, GPIO
- External Sensor Interface (option)

[CMOS Image Sensor]

Parameter		Value
Optical Format		1/4"
Active Pixels		2048(H) x 1536(V)
Pixel size		1.75um x 1.75um
Shutter Type		Electronic Rolling Shutter
Max. Frame Rate		15fps @ 3MP/ 30fps @ VGA
ADC Resolution		10,12bit
Saturation Level		8.0Ke-(Linear)
Sensitivity @G		0.8 V/Lux·sec
SNR		39dB
Supply Voltage	Analog	2.8V
	Digital	1.2V (Internal regulator from 1.8V)
	I/O	1.8V ~ 2.8V
Schedule		FS('07.05) MP('07.09)

