

# S5K4BAF

## 1/4" 2-Mega Pixel SOC

### [Image Processing]

- CMOS image sensor with embedded ISP
- Color correction
- Edge enhancement
- Lens shading correction
- Programmable gamma correction
- Image scaling down
- Auto focus (AF)
- AE/AWB
- Auto flicker correction
- Auto defect pixel correction
- Auto dark level compensation

### [Host Interface & Others]

- I2C bus interface
- Internal PLL
- Xenon and LED-type Flash interface
- Standby mode for power saving
- Support Serial Interface : MGCI (Mobile Graphic Coprocessor Interface) 650Mbps

### [CMOS Image Sensor]

Parameter		Value
Optical Format		1/4"
Active Pixels		1600(H) x 1200(V)
Pixel Size		2.25um x 2.25um
Shutter Type		Electronic Rolling Shutter
Max. Frame Rate		UXGA 15fps@64MHz
ADC Resolution		10bit
Sensitivity		520 mV/lux.sec
Dark Level		4mV/sec@60°C
Dynamic Range		56.7 dB
SNR		37.58 dB
Supply Voltage	Analog	2.8V
	Digital	1.5V
	I/O	1.8V ~ 2.8V
Schedule		Under Production

