

S5K5AAF

1/5" 1.3-Mega Pixel

[Image Processing]

- Panning and cropping
- Vertical and horizontal flip mode
- Continuous and single frame capture mode
- Averaging sub-sampling (x2) and digital sub-sampling (x2, x4)
- Color correction
- Edge enhancement
- Lens shading correction
- Programmable gamma correction
- Image scaling down
(Any-size scaling down under SXGA)
- Auto exposure (AE)
- Auto white balance (AWB)
- Auto flicker correction
- Auto defect correction
- Auto dark level compensation

[Host Interface & Others]

- Built-in test pattern generation
- Xenon and LED type flash support
- Standby mode for power saving
- I2C bus control interface
- Operating temperature: -20°C to +60°C

[CMOS Image Sensor]

Parameter	Value
Optical Format	1/5"
Active Pixels	1280(H) x 1024(V)
Pixel Size	2.25um x 2.25um
Shutter Type	Electronic Rolling Shutter
Max. Frame Rate	19 fps @ SXGA
ADC Resolution	10bit
Saturation Level	580mV
Sensitivity	530mV/lux.sec
Dark Level	<1mV/sec
Dynamic Range	>59dB
SNR	>39dB
Supply Voltage	Analog 2.8V
	Digital 1.8V(Internal Regulator 1.8V to 1.5V)
	I/O 1.8V ~ 2.8V
Schedule	Now sample available

