

KLT-C8K-S5K3L2-D6B**Samsung S5K3L2 MIPI Interface Auto Focus 13MP Camera Module**

Camera Module No.	KLT-C8K-S5K3L2-D6B
Image Sensor	S5K3L2
EFL	3.85 mm
F.NO	2.2
Pixel	4208 x 3120
View Angle	76.8°
Lens Type	1/3.06 inch
Lens Dimensions	8.5 x 8.5 x 5.6 mm
Module Size	17.1 x 10.6 mm
Module Type	Auto Focus
Interface	MIPI

Mating Connector Part No. AXQ1401

Mating Connector On Main Board. Sold Separately.

Samsung 13 MP 1/3.06" CMOS Image Sensor S5K3L2

SAMSUNG

High-performance, low-power CMOS Image Sensor for superior images in low-light environments

Designed for premium mobile applications, the Samsung S5K3L2 CMOS Image Sensor uses 65nm low-power process technology to reduce device power consumption.



Highlights

- **Take vivid pictures in low-light settings.** Samsung's advanced 1.12um backside illumination (BSI) helps produce excellent images with less noise and better color reproduction.
- **Operate the embedded camera using less battery power.** The optimized design scheme and advanced 65nm process consume less power.
- **Choose from multiple camera functions to capture the moment.** Zero shutter lag and slow motion features help produce more accurate pictures.

Take high-resolution photos without draining the smartphone battery

Smartphone buyers consider many different features when purchasing a phone. For some consumers, the quality of the pictures taken by the embedded camera is a major selling point. Smartphone manufacturers can meet this customer expectation with the Samsung 13 MP 1/3.06" CMOS Image Sensor, S5K3L2.

The S5K3L2 is designed for premium smartphones and tablets. It provides manufacturers with 13 MP high-resolution image sensors that use low-power process technology.

Record memories clearly even in low-light conditions

Special moments can be captured with the high pixel performance of the S5K3L2, even in low light. Highly sensitive BSI sensors can achieve SNR of 27 dB at 20 lux and offer best-in-class image quality even in low-light conditions. S5K3L2 also enhances the quality of high-speed video recordings on the mobile devices in low and high light.

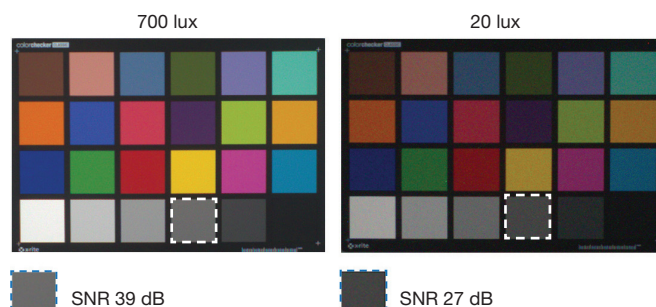


Figure 1. 700 lux versus 20 lux SNRs

S5K3L2 helps accurately capture images in low light and daylight.

Provide low power for premium mobile applications

The S5K3L2 utilizes advanced 1.12um BSI and 65nm process to achieve excellent pixel performance and low power consumption. The smaller and optimized circuit design of the image sensor can help reduce power consumption and help meet customers' expectations for low power consumption.

Capture the action as it happens

The S5K3L2 helps take accurate images in most situations. Zero shutter lag aids in capturing the perfect picture with a high-frame rate sensor that is high-speed enabled. The high-frame rate can also support slow-motion video recordings.

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For more information

For more information about the Samsung 13 MP 1/3.06" CMOS Image Sensor, S5K3L2, visit www.samsung.com/global/business/semiconductor.



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