

MT510

MetaSilicon MT Series CMOS Image Sensor For Consumer Applications

MT510 is a CMOS image sensor product with ultra-low power consumption and ultra-small size (area & number of layers) for smartphone front- and rear-camera applications. We strive to provide customers with image sensor products with high performance, high quality, and low cost.

The MT510 image sensor adopts the BSI process, has a resolution of 5 million pixels (2592H×1944V), an optical size of 1/5", and a pixel size of 1.12μm small pixel design. MT510 has the characteristics of ultra-low power consumption, and its operating power consumption is only 86mW; and available in RW and COB packages.

Item	Parameters
Resolution	5.0MP
Process	BSI
Pixel Size	1.12μm × 1.12μm
Pixel Array	2592H × 1944V
Optical Format	1/5 inch
Max Frame Rate	30fps @Full size
SNR	37.77dB
Output Format	RGGB Bayer
Output Interface	CSI-2 MIPI DPHY: 1.0Gbps/lane @2lane 1.0Gbps/lane @1lane
CRA	31.9°
Operation Temperature	-30°C ~ +85°C
Power Supply	Analog: 2.8V @AVDD Digital: 1.2V @DVDD IO: 1.8V/1.2V @DOVDD
Package	RW / COB

CMOS IMAGE SENSOR

MT Series: MT510

Features

- ✔ BSI Process
- ✔ Operating power consumption is only 86mW
- ✔ The smallest size among products with similar specifications in the industry
- ✔ Good low light effect

Applications

- ✔ Smartphone proactive applications
- ✔ Smartphone rear camera and auxiliary camera applications
- ✔ Tablet camera