

MT510

MetaSilicon MT Series CMOS Image Sensor For Consumer Applications

CMOS IMAGE SENSOR

MT510是一款面向智能手机前摄、后摄辅摄应用的具备超低功耗、超小综合面积（面积&层数）特点的CMOS图像传感器产品。力求为客户提供具有高效能、高质量、轻成本的图像传感器产品。

MT510图像传感器采用了BSI工艺，拥有500万像素（2592H×1944V）分辨率，光学尺寸为1/5"，像素尺寸采用1.12μm的小像素设计。MT510具备超低功耗特点，其工作功耗仅为86mW；并提供RW、COB两种封装形式。

MT Series: MT510

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

Features

- BSI工艺
- 工作功耗仅为86mW
- 业内同规格产品综合尺寸最小
- 出色的暗光效果

Applications

- 智能手机前摄应用
- 智能手机后摄、辅摄应用
- 平板电脑摄像头
- 其他消费类应用

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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.

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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