

MT815

MetaSilicon MT Series CMOS Image Sensor For Consumer Applications

CMOS IMAGE SENSOR

MT815是一款面向智能手机前摄、后摄辅摄应用的具备低功耗、超小综合面积（面积&层数）、业内Top size OTP等特点的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。

MT815图像传感器采用了BSI工艺及1.12μm的小像素设计，拥有800万像素（3264H×2448V）分辨率，光学尺寸为1/4"，提供RW、COB两种封装形式。MT815具备超低功耗特点，其工作功耗仅为115mW；同时还拥有较业内同类产品更大的OTP空间，通过优化配置，可满足行业客户多次烧录的需求。

MT Series: MT815

Features

- ✔ BSI工艺
- ✔ 工作功耗仅为115mW
- ✔ 业内同规格产品综合尺寸最小
- ✔ 出色的暗光效果
- ✔ Top Size OTP，支持多次烧录

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

Item	Parameters
Resolution	8.0MP
Process	BSI
Pixel Size	1.12μm × 1.12μm
Pixel Array	3264H × 2448V
Optical Format	1/4 inch
Max Frame Rate	30fps @Full size
SNR	37dB
Output Format	RGGB Bayer
Output Interface	CSI-2 MIPI DPHY: 720Mbps/lane @4lane 1.44Gbps/lane @2lane
CRA	32.8°
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

MT815

MetaSilicon MT Series CMOS Image Sensor For Consumer Applications

MT815 is a CIS product for smartphone front- and rear-camera applications that features low power consumption, ultra-small size (area & number of layers), and the industry's top size OTP. We strive to provide customers with image sensor products with high performance, high quality, and low cost.

The MT815 image sensor uses BSI process and 1.12 μ m small pixel design, has a resolution of 8 million pixels (3264H \times 2448V), an optical size of 1/4", and is available in RW and COB packaging forms.

MT815 has ultra-low power consumption features, its operating power consumption is only 115mW. It also has a larger OTP space than similar products in the industry and through optimized configuration, it can meet the needs of industry customers for multiple programming.

Item	Parameters
Resolution	8.0MP
Process	BSI
Pixel Size	1.12 μ m \times 1.12 μ m
Pixel Array	3264H \times 2448V
Optical Format	1/4 inch
Max Frame Rate	30fps @Full size
SNR	37dB
Output Format	RGGB Bayer
Output Interface	CSI-2 MIPI DPHY: 720Mbps/lane @4lane 1.44Gbps/lane @2lane
CRA	32.8°
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: MT815

Features

- ✔ BSI process
- ✔ Operating power consumption is only 115mW
- ✔ The smallest size among products with similar specifications in the industry
- ✔ Good low light effect
- ✔ Top Size OTP, supports multiple programming

Applications

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