

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: MT510

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