

MT815

MetaSilicon MT Series CMOS Image Sensor For Consumer Applications

CMOS IMAGE SENSOR

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

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