

MT13F0

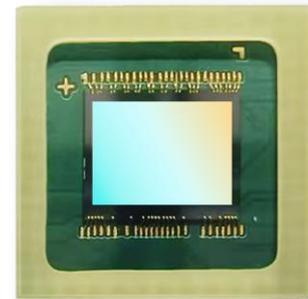
MetaSilicon MT Series CMOS Image Sensor For Consumer Applications

MT13F0是一款面向智能手机后摄主摄、辅摄应用的具备低功耗、超小综合面积（面积&层数）等特点的CMOS图像传感器产品，产品支持PDAF以及DCG HDR。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。

MT13F0图像传感器采用了BSI工艺及1.12μm的小像素设计，拥有1300万像素4208(H) x 3120(V)分辨率，光学尺寸为1/3.08"，提供RW、COB两种封装形式。MT13F0支持PDAF Type3自动相位对焦技术，能够为手机、平板等消费类应用终端提供高品质、高动态的出色成像性能。

Item	Parameters
Resolution	13MP
Process	BSI
Pixel Size	1.12μm × 1.12μm
Pixel Array	4208H × 3120V
Optical Format	1/3.06 inch
Max Frame Rate	30fps @Full size
SNR	37dB
Output Format	RGGB Bayer
Output Interface	MIPI CSI-2 D-PHY Ver1.1
CRA	33.47°
Operation Temperature	-30°C ~ +85°C
Power Supply	Analog: 2.8V @AVDD Digital: 1.2V @DVDD IO: 1.8V @DOVDD
Package	RW / COB

CMOS IMAGE SENSOR



MT Series: MT13F0

Features

- ✔ BSI工艺
- ✔ PDAF
- ✔ 1P3M

Applications

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

MT13F0

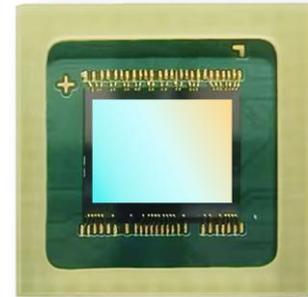
MetaSilicon MT Series CMOS Image Sensor For Consumer Applications

MT13F0 is a CIS designed for primary and secondary rear - camera applications in smartphones. Boasting low power consumption and ultra-small size (area & number of layers). It supports PDAF and DCG HDR technologies. We are committed to delivering high - efficiency, high - quality and cost - effective image sensor products to our customers.

MT13F0 image sensor adopts the BSI process and a compact 1.12 μ m pixel design. It features 13-megapixel resolution at 4208(H) \times 3120(V), with an optical format of 1/3.08", and is available in two package types: RW and COB. Supporting PDAF Type3, the MT13F0 is capable of delivering high-quality, high-dynamic-range imaging performance for consumer applications such as smartphones and tablets.

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Resolution	13MP
Process	BSI
Pixel Size	1.12 μ m \times 1.12 μ m
Pixel Array	4208H \times 3120V
Optical Format	1/3.06 inch
Max Frame Rate	30fps @Full size
SNR	37dB
Output Format	RGGB Bayer
Output Interface	MIPI CSI-2 D-PHY Ver1.1
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CMOS IMAGE SENSOR



MT Series: MT13F0

Features

- ✔ BSI process
- ✔ PDAF
- ✔ 1P3M

Applications

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