

MIS2032

ROLLING SHUTTER CMOS IMAGE SENSOR



产品介绍 CHIEF APPLICATION

The MIS2032 is a 1/2.9 inch 2 megapixel rear-mounted CMOS image sensor chip manufactured using the BSI process with an effective pixel array of 1936X1096. The chip supports the acquisition of wide dynamic data by 2-3 exposures, and synthesizes 120db-wide dynamic images off-chip. The MIS2032 features NIR enhancement and starlight imaging capabilities, making it particularly suitable for on-board rear loading dynamic applications.

规格说明 Specification

项目 Item	参数 Item
Activ Array Size	1936(H)*1096(V)
Pixel Size	2.79um x 2.79um
Lens Size	1/2.9Inch
TEMP Range Operation	-40~85°C
Output Format	RAW10
Sensitivity	4V/lux.s
Dynamic Range HDR	120dB
Dynamic Range Linear	72dB
SNR Max	39dB
QE 850nm	66%
QE 940nm	41%

应用场景 Application Scenarios

- 近红外夜视应用
Near Infrared night vision application
- 消费类应用
Consumer Application
- 高端安防应用
High-end Security applications
- 车载后装宽动态应用
Automotive Rear loading width dynamic application

产品特性 Product Feature

- 暗环境成像
Dark Environment imaging
- 低功耗
Low Power consumption
- HDR
- 高帧率
High Frame rate



■ **Chengdu Office** (Product Center - Headquarters)
9-10F, Unit B6-2, AI International Hub, 171# Hele 2nd street, Hi-Tech District, Chengdu, P.R.China
TEL: 028-68669333 WEB: www.imgds.com
E-mail: imgds@imagedesign.com

■ **Shanghai Office** (R&D Center)
497 Gaosi Road, Zhagjiang High Tech Park, Pudong New Area, Shanghai

■ **Shenzhen Office** (Support Center)
3F, tower t2-a, Shenzhen Software Park, No. 22, gaoxinnan 7th Road, Nanshan District, Shenzhen