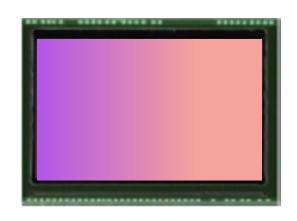


CMOS Image Sensor

Version: MIS2032 V1.0

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℃
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

HDR HDR

低功耗Low Power consumption

高帧率 High Frame rate

Low



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