

ISR2006

NIR ROLLING SHUTTER CMOS IMAGE SENSOR



产品介绍 CHIEF APPLICATION

ISR2006 is a 1.5-inch 2.5-megapixel CMOS image sensor chip, the effective pixel array is 1920H*1280V, the chip supports 1080P high-definition video applications. ISR2006 adds infrared enhancement. It has excellent low-light night vision, multi-chip synchronous work function, on-chip temperature sensor, and flexible and rich configuration functions.

规格说明 Specification

项目 Item	参数 Parameters
Active Array Size	1920(H)*1280(V)
Pixel Size	9.9um x 9.9um
Lens Size	1.5 Inch
Operating Junction Temperature	-40-85°C
Output Format	RAW12, RAW14
Sensitivity	105V/Lux/s@HCG 7V/Lux/s@HCG
Full Well Capacity	7.2K(HCG) /98k(LCG) e ⁻
Dynamic Range	78dB(HCG)/80dB(LCG)
SNR Max	39dB(HCG)/49dB(LCG)
Frame Rate	60FPS
Low Lux	10 ⁻⁴
QE	60%@850nm 30%@940nm

应用场景 Application Scenarios

- 低光夜视 Low Light night vision
- 高端监控 High-end Monitoring

产品特性 Product Feature

- 近红外成像 Near Infrared imaging
- HDR HDR
- 低功耗 Low Power consumption
- 多芯片同步工作 Multiple Chips work synchronously



■ **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