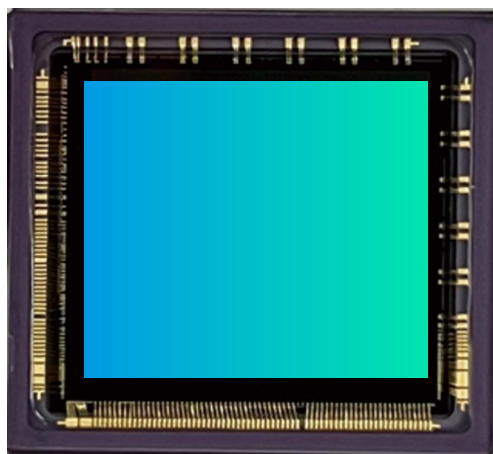


ISR4006

ROLLIN SHUTTER CMOS IMAGE SENSOR



产品介绍 CHIEF APPLICATION

The ISR4006 is a 1.1-inch 4-megapixel CMOS image sensor chip. The ISR4006 adds near-infrared enhancement for excellent low-light night vision. Supports DCG mode, on - and off-chip HDR synthesis.

规格说明 Specification

项目 Item	参数 Parameters
Active Array Size	2048(H)*2048(V)
Pixel Size	5.94um x 5.94um
Lens Size	1.1 Inch
Operating Junction Temperature	-40~85°C
Output Format	RAW10/12/14/16
Sensitivity	>40V/lux/s@HCG
Full Well Capacity	>63ke ⁻ @LCG
Dynamic Range	>72dB
SNR Max	>47dB@LCG
Dark Current	<100e ⁻ /s@60°C
QE	>90%@550nm >50%@850nm >30%@940nm

应用场景 Application Scenarios

- 低光夜视
Low Light night vision
- 高端监控
High-end Monitoring
- 科学研究
Scientific Research

产品特性 Product Feature

- HDR
HDR
- 近红外增强
Near Infrared enhancement
- 高帧率
High Frame rate
- 高信噪比
High SNR



■ **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