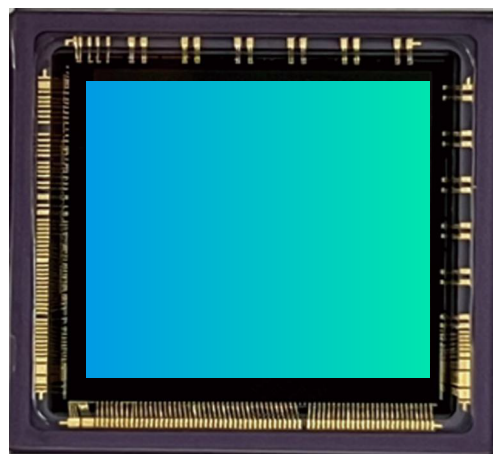


ISR4006

ROLLIN SHUTTER CMOS IMAGE SENSOR



产品介绍 CHIEF APPLICATION

The ISR4006 is a 1.1-inch 4M pixel 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 Item
Active Array Size	2048(H)*2048(V)
Pixel Size	5.94um x 5.94um
Lens Size	1.1 Inch
TEMP Range Operation	-40~85℃
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℃
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



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