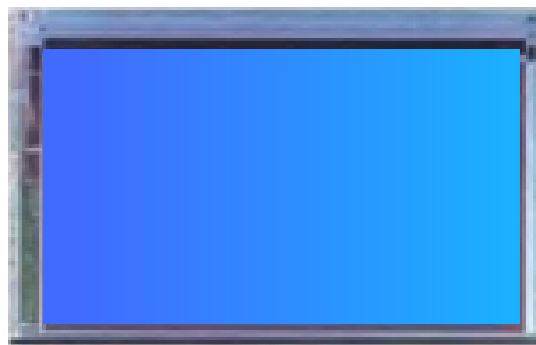


# ISR2006

## NIR ROLLING SHUTTER CMOS IMAGE SENSOR



### 产品介绍 CHIEF APPLICATION

ISR2006 is a 1.5-inch 2.5M pixel 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   Item
Activ Array Size	1920(H)*1280(V)
Pixel Size	9.9um x 9.9um
Lens Size	1.5 Inch
TEMP Range Operation	-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 <sup>-</sup>
Dynamic Range	78dB(HCG)/80dB(LCG)
SNR Max	39dB(HCG)/49dB(LCG)
Frame Rate	60FPS
Low Lux	10 <sup>-4</sup>
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



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