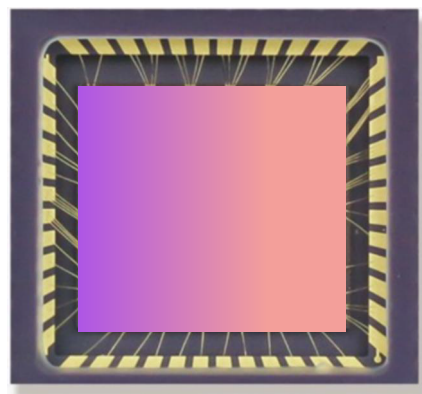


ISG1307

GLOBAL SHUTTER CMOS IMAGE SENSOR



产品介绍 CHIEF APPLICATION

The ISG1307 is a CMOS image sensor with a 1/2-inch 1.3 megapixel Global Shutter, with an effective pixel array of 1280X1024 and a total pixel of 130W. The ISG1307 chip uses analog and digital dark pixel correction function to improve the dynamic range of the sensor.

规格说明 Specification

项目 Item	参数 Item
Active Array Size	1280(H)*1024(V)
Pixel Size	4.8 um x 4.8 um
Lens Size	1/2 inch
TEMP Range Operation	-40~85℃
TEMP Range Stable Image	-10~65℃
Output Format	RAW10
Sensitivity	6.5V/lux.s
Full Well Capacity	12000e ⁻
Dynamic Range	>60dB
SNR Max	41dB
Frame Rate	210FPS

应用场景 Application Scenarios

- 机器视觉
Machine Vision
- 智能交通
ITS
- 运动监测
Motion Monitoring
- 高速检测
High Speed detection

产品特性 Product Feature

- 高速图像处理
High-speed Image Processing
- 动态检测
Dynamic Detection
- 高帧率
High Frame rate
- 低功耗
Low Power consumption



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