ISG3305

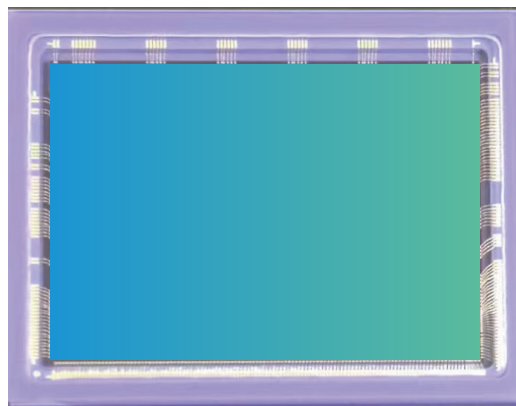## GLOBAL SHUTTER CMOS IMAGE SENSOR

产品介绍 CHIEF APPLICATION

The ISG3305 is a CMOS image sensor with a 39M pixel Global Shutter with a pixel size of 2.7um and an effective pixel array of 7680 columns *5120 rows, which can realize 8bit, 10bit and 12bit data output. Built-in DPC bad spot correction and binning functions, while having the advantages of high resolution, high frame rate and low PLS.

规格说明 Specification

项目丨Item	参数丨Item
Activ Array Size	7680(H)*5120(V)
Pixel Size	2.7um x 2.7um
Lens Size	1.5 Inch
TEMP Range Operation	−40~85℃
Output Format	RAW8/10/12
PLS	<−96dB
Full Well Capacity	>9.5Ke^-
Dynamic Range	>66dB
SNR Max	>40dB
Dark Current	<200e^-/s@60℃
QE	>90%@550nm >50%@850nm >30%@940nm

应用场景 Application Scenarios

- 机器视觉 Machine Vision
- 摄影机 Camera
- 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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