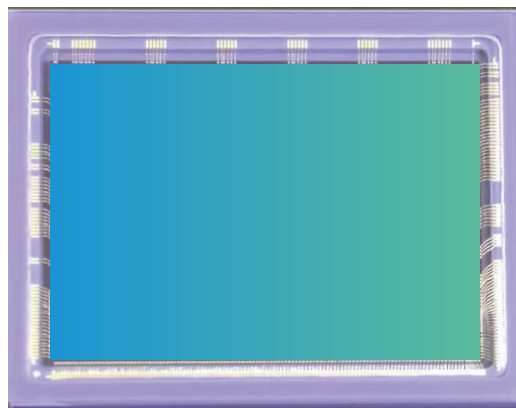


# ISG3305

## 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   Item            | 参数   Item                              |
|----------------------|----------------------------------------|
| Active 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   | >9.5K $e^{-}$                          |
| Dynamic Range        | >66dB                                  |
| SNR Max              | >40dB                                  |
| Dark Current         | <200 $e^{-}$ /s@60℃                    |
| QE                   | >90%@550nm<br>>50%@850nm<br>>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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