

ISG9005

GLOBAL SHUTTER CMOS IMAGE SENSOR

产品介绍 CHIEF APPLICATION

The ISG9005 is a CMOS image sensor with a 9M pixel Global Shutter, a pixel size of 5.4um, and an effective pixel array of 3840 columns *2560 rows. The ISG9005 Added Infrared enhancement features excellent near-infrared sensitivity, which can reduce the energy of the infrared LED drive. External trigger, multi-chip synchronization function, provide on-chip temperature sensor, and flexible, rich configuration functions.

规格说明 Specification

项目 Item	参数 Item
Activ Array Size	3840(H)*2560(V)
Pixel Size	5.4um x 5.4um
Lens Size	1.5 Inch
TEMP Range Operation	-40~85°C
Output Format	RAW8/10/12
PLS	<-96dB
Full Well Capacity	>38ke ⁻
Dynamic Range	>66dB
SNR Max	>40dB
Dark Current	<200e ⁻ /s@60°C
QE	>90%@550nm >50%@850nm >30%@940nm

应用场景 Application Scenarios

- 机器视觉 Machine Vision
- 工业检测 Industrial Inspection
- 智能交通 ITS
- 医疗成像 Medical Imaging

产品特性 Product Feature

- 近红外增强 High-speed Image Processing
- 内置温度传感器 Built-in Temperature sensor
- 多芯片同步工作 Multiple Chips work synchronously
- 丰富的功能设置 Rich Function settings



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