ISG2505

GLOBAL SHUTTER CMOS IMAGE SENSOR

产品介绍 CHIEF APPLICATION

The ISG2505 is a CMOS image sensor with a 25M pixel Global Shutter with a pixel size of 2.7um and an effective pixel array of 5120 columns *5120 rows. The ISG2505 enhanced near infrared feature has excellent near infrared sensitivity and can reduce the drive energy of infrared LED. 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	5120(H)*5120(V)
Pixel Size	2.7um x 2.7um
Lens Size	1.2 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
- 工业检测 Camera
- 智能交通 Motion Monitoring
- 医疗成像 High Speed detection

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