

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



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