

ISG1321

GLOBAL SHUTTER CMOS IMAGE SENSOR



产品介绍 CHIEF APPLICATION

The ISG1321 is a 1.3-megapixel global shutter CMOS image sensor based on the BSI process. Its effective pixel array is 1280 columns X1080 rows, the total pixel is 1.3M, supports 10/12bit sampling, and supports near-infrared enhancement. Compatible with both DVP and MIPI interfaces. The chip is mainly used in machine vision, intelligent robot, logistics code reading, industrial inspection and so on.

规格说明 Specification

项目 Item	参数 Parameters
Active Array Size	1280(H)*1080(V)
Pixel Size	2.70um x 2.70um
Lens Size	1/4 Inch
Operating Junction Temperature	-40~105°C
Output Format	RAW12/RAW10
Sensitivity	3.5V/Lux.s
Full Well Capacity	9.5K e ⁻
Dynamic Range	66.5dB/100dB@HDR Mode
SNR Max	39.8dB
QE	60%@850nm 30%@940nm
PLS	-96dB

应用场景 Application Scenarios

- 机器视觉 Machine Vision
- 智能机器人 Intelligence Robot
- 物流读码 Logistics Code reading
- 工业检测 Industrial Inspection

产品特性 Product Feature

- 近红外增强 High-speed Image Processing
- 图像预处理 Image Preprocessing
- 低功耗 Low Power consumption
- 高帧率 High Frame rate



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