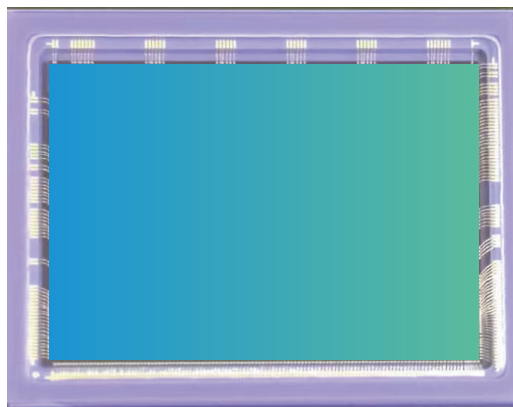# ISG9005

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**

项目丨Item	参数丨Item
Active Array Size	3840(H)*2560(V)
Pixel Size	5.4um x 5.4um
Lens Size	1.5 Inch
TEMP Range Operation	−40~85℃
Output Format	RAW8/10/12
PLS	<−96dB
Full Well Capacity	>38ke⁻
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 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