



SMARTSENS

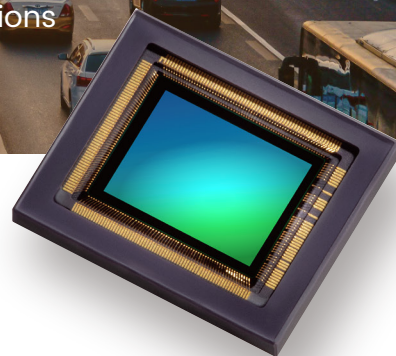
# CMOS图像传感器

## CMOS IMAGE SENSOR

### SC410GS 产品单页

#### SC410GS Product Flyer

- 高性能4MP分辨率全局快门像素,可精准识别快速运动物体  
High performance 4MP resolution Global Shutter pixel for fast moving object recognition
- 优化了白光和近红外光条件下的双重运作性能  
Optimized dual operations under white light and NIR light conditions



## 公司简介 | Company Profile

思特威(上海)电子科技股份有限公司(SmartSens Technology)是一家从事CMOS图像传感器芯片产品研发、设计和销售的高新技术企业,总部设立于中国上海,在多个城市及国家设有研发中心。

自成立以来,思特威始终专注于高端成像技术的创新与研发,凭借自身性能优势得到了众多客户的认可和青睐。作为致力于提供多场景应用、全性能覆盖的CMOS图像传感器产品企业,公司产品已覆盖了安防监控、机器视觉、智能车载电子、智能手机等多场景应用领域的全性能需求。

思特威将秉持“以前沿智能成像技术,让人们更好地看到和认知世界”的愿景,以客户需求为核心动力,持续推动前沿成像技术升级,拓展产品应用领域,与合作伙伴一起助推未来智能影像技术的深化发展。

SmartSens Technology (Shanghai) Co., Ltd. is a high-performance CMOS image sensor (CIS) chip design company. It is headquartered in Shanghai and has research centers in many cities around the world.

SmartSens has been dedicated to pushing forward the frontier of imaging technology and growing in popularity among customers since it was established. SmartSens' CMOS image sensors provide advanced imaging solutions for a broad range of areas such as surveillance, machine vision, automotive and cellphone cameras.

SmartSens is committed to continuous innovation of products and fueling growth in numerous industries by delivering a more comprehensive portfolio of image sensors.

## 规格说明 | Specifications

项目   Item	参数   Parameters
Resolution	4MP
Pixel Array	1768H x 2352V
Pixel Size	4.2μm x 4.2μm
Optical Format	1/1.3"
Max Frame Rate	1752H x 2336V @50fps
Output Interface	12/10/8 bit 1/2/4 lane MIPI 12/10/8 bit 1/2/4 lane LVDS
Output Format	RAW RGB
CRA	9°
Sensitivity	14.3V/Lux-s
Dynamic Range	HDR Mode upto 100dB Linear Mode 60dB
SNR	40dB
Operation Temperature	-30°C to +85°C
Best IQ Temperature	-20°C to +60°C
Power Supply	Analog = 2.8V Digital = 1.5V I/O = 1.8V
Package	166 pin CLGA
Package Size	15mm x 18mm x 2.3±0.15mm

## 产品特性 | Features

- 搭载思特威第二代SmartGS<sup>®</sup>的400万图像传感器

The 2<sup>nd</sup> Generation of ITS Applications Product with 4MP Resolution

- 高达1:10000的全局快门效率

High Global Shutter Efficiency at 1:10000

- 近红外环境下拥有超高感度

Ultra-Sensitivity in NIR Environment

- 高灵敏度

High Sensitivity

## 应用场景 | Applications

- 智能交通系统

Intelligence Traffic System

- 停车场卡口车牌识别

Parking Garage Recognition

- 高速公路收费站

Toll Road Plaza



WeChat



LinkedIn

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