



SMARTSENS

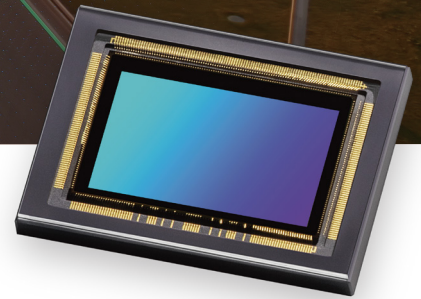
CMOS图像传感器

CMOS IMAGE SENSOR

SC910GS 产品单页

SC910GS Product Flyer

- 9MP高性能全局快门图像传感器, 全面赋能智能交通应用领域
9MP BSI Global Shutter sensor with 4.0µm pixel, supporting ITS camera
- 4K超清分辨率可覆盖2-4车道人脸及车牌识别应用
4K ultra resolution suitable for 2~4 vehicle lane face and license plate recognition



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	9MP
Pixel Array	3856H x 2368V
Pixel Size	4.0μm x 4.0μm
Optical Format	1.1"
Max Frame Rate	3840H x 2336V@50fps 10bit
Output Interface	12/10/8-bit 1/2/4/8 Lane MIPI 12/10/8-bit 1/2/4/8 Lane LVDS
Output Format	RAW RGB
CRA	9°
Sensitivity	13169mV/LUX*S
Dynamic Range	68dB
Max SNR	42dB
Operation Temperature	-30°C to +85°C
Power Supply	Analog = 2.8 V Digital = 1.5V I/O = 1.8V
Package	300-pin CLGA
Package Size	24mm x 18mm x 1.7mm

产品特性 | Features

- 搭载思特威第二代SmartGS[®]的900万图像传感器**
 The 2nd Generation of ITS Applications Product with 9MP High Resolution
- 基于GS架构下的分区HDR有效解决夜晚交通信号灯过曝失色等问题**
 Separate HDR Based on GS Effectively Solved Problems of Overexposure of Traffic Lights
- 高灵敏度和动态范围**
 High Sensitivity and Dynamic Range
- 具有极佳低噪声性能**
 Excellent Low Read Noise Performance

应用场景 | Applications

- 智能交通系统应用**
 ITS cameras
- 停车场卡口车牌识别**
 Parking Garage Recognition
- 高速公路收费站**
 Toll Road Plaza



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