



SMARTSENS

CMOS图像传感器

CMOS IMAGE SENSOR

SC850SL 产品单页

SC850SL Product Flyer

- 思特威首颗Stack BSI + Rolling Shutter图像传感器, 拥有出色夜视性能及信噪比
SmartSens first stack BSI + rolling shutter sensor, with ultra-high sensitivity and SNR, and great low-light night vision
- 搭载思特威第二代近红外感度NIR+技术, 低照成像更胜以往
Equipped with SmartSens' 2nd Gen NIR+ Technology brings better performance in low light

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	8MP
Pixel Array	3856H x 2176V
Pixel Size	2.0μm x 2.0μm
Optical Format	1/1.8"
Max Frame Rate	3840H x 2160V @60fps
Output Interface	12/10/8 bit 1/2/4/2x4 Lane MIPI
Output Format	RAW RGB
CRA	9°
Sensitivity	5034mV/Lux-s
Dynamic Range	HDR Mode up to 100dB
	Linear Mode 83dB
SNR	39dB
Operation Temperature	-30°C to +85°C
Best IQ Temperature	-20°C to +60°C
Power Supply	Analog = 2.8V
	Digital = 1.3V
	I/O = 1.8V
Package	67 pin CSP
Package Size	8.88mm x 5.55mm

产品特性 | Features

- 思特威首颗Stack BSI + Rolling Shutter 图像传感器
SmartSens First Stack BSI + Rolling Shutter CMOS Image Sensor
- 极佳夜视性能
Excellent Low-light Night Vision
- 搭载思特威第二代近红外感度NIR+技术
Equipped with SmartSens' 2nd Gen NIR+ Technology
- 超高信噪比和动态范围
Ultra-high Max SNR and Dynamic Range

应用场景 | Applications

- 高端安防摄像头应用
High End Security Camera Application
- 暗光视频摄像头
Low Light Video Cameras



WeChat



LinkedIn

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