



SMARTSENS

CMOS 图像传感器

CMOS IMAGE SENSOR

SC530AT 产品单页

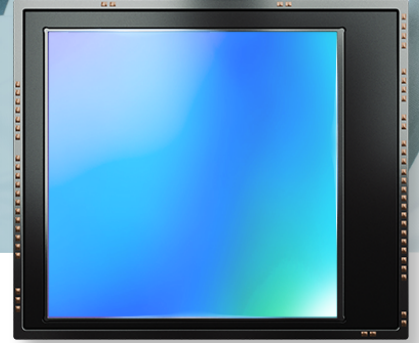
SC530AT Product Flyer

- 基于先进CarSens®-RS工艺技术打造的5MP车规级CMOS图像传感器

SmartSens new 5MP automotive-grade CMOS image sensor with CarSens®-RS technology

- 集高感度、高动态范围、低噪声等性能优势于一身，带来出色的舱内影像

Features high sensitivity, high dynamic range, and low noise, delivering excellent images for in-cabin monitoring cameras



公司简介 | Company Profile

思特威(上海)电子科技股份有限公司 SmartSens Technology (股票简称:思特威, 股票代码:688213)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. (Stock Code:688213) 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.

CARSens®-RS Series

规格说明 | Specifications

项目 Item	参数 Parameters
Resolution	5MP
Pixel Array	2568H x 1936V
Pixel Size	2.0µm x 2.0µm
Optical Format	1/2.8"
Max Frame Rate	2560 (H) x 1920 (V) @ 30fps PGHDR 10-bit 2560 (H) x 1920 (V) @ 30fps SHDR 10-bit
Output Interface	16/14/12/10/8 bit, 1/2/4 Lane MIPI
Output Format	RAW RGB
CRA	13.3°
Sensitivity	2083mV/lux·s
Dynamic Range	PixGain HDR: 79dB SHDR: >100dB
SNR	39.54dB
Operation Temperature Range	-40°C to +105°C
Power Supply	Analog = 2.8V ± 0.1V Digital = 1.3V ± 0.065V I/O = 1.8V ± 0.1V
Package	55-pin CSP, 6.084mm x 7.034mm

产品特性 | Features

- 高感度
High sensitivity
- 高动态范围 (HDR)
High Dynamic Range (HDR)
- 低噪声
Low Noise

应用场景 | Applications

- 乘员监控系统(OMS)
Occupant Monitoring Systems
- 车载信息娱乐系统应用
Automotive Infotainment Systems



WeChat



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