



SMARTSENS

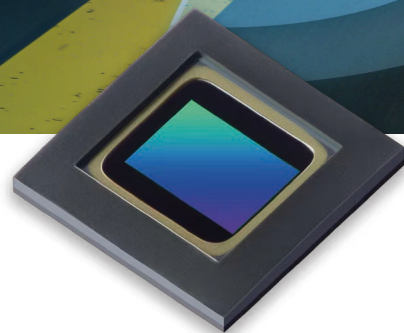
# CMOS图像传感器

## CMOS IMAGE SENSOR

### SC2331AT 产品单页

#### SC2331AT Product Flyer

- 符合AEC-Q100 Grade 2 标准车规级图像传感器  
AEC-Q100 Grade 2 Qualified Automotive Image Sensor
- 高敏感度、超低功耗  
High Sensitivity, Ultra-Low Power Consumption



## 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.

## 规格说明 | Specifications

项目   Item	参数   Parameters
Resolution	2MP
Pixel Array	1928H x 1088V
Pixel Size	2.9μm x 2.9μm
Optical Format	1/2.8"
Max Frame Rate	1920H x 1080V @60fps
Output Interface	10/8 bit 1/2 Lane MIPI 10 bit DVP
Output Format	RAW RGB
CRA	15°
Sensitivity	7100mV/Lux·s
Dynamic Range	HDR Mode > 100dB Linear Mode 83dB
SNR	40dB
Operation Temperature Range	-40°C to +105°C
Power Supply	Analog = 2.8V±0.1V Digital = 1.2V±0.06V I/O = 1.8V±0.1V
Package	41-pin CSP
Package Size	6.27mm x 4.08mm

## 产品特性 | Features

- 符合AEC-Q100 Grade 2 标准  
AEC-Q100 Grade 2 Qualified
- 极佳夜视全彩性能  
Excellent Full-Color Night Vision
- 超低功耗  
Ultra-Low Power Consumption
- 行交叠双重曝光宽动态  
Support 2-exp Staggered HDR

## 应用场景 | Applications

- 智能车载摄像头  
Smart Automotive Cameras
- 行车记录仪  
Dashcams



WeChat



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