



SMARTSENS

# CMOS 图像传感器

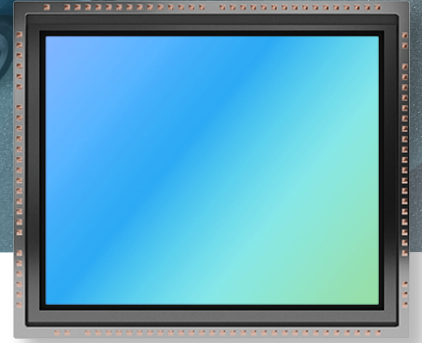
## CMOS IMAGE SENSOR

### SC360AT 产品单页

#### SC360AT Product Flyer

- 思特威首颗采用CarSens®-XR Gen 2工艺技术打造的 Stacked BSI + Rolling Shutter 架构CMOS图像传感器  
SmartSens first Stacked BSI + Rolling Shutter CMOS image sensor with CarSens®-XR Gen 2 technology

- 集高感度、高动态范围、低噪声等性能优势，支持LED闪烁抑制功能  
Features high sensitivity, high dynamic range, low noise, and LED Flicker Suppression (LFS)



## 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.

# SC360AT Product Flyer

## CarSens®-XR Gen 2 Series



### 规格说明 | Specifications

项目   Item	参数   Parameters
Resolution	3MP
Pixel Array	1952H x 1548V
Pixel Size	3.0 μm x 3.0 μm
Optical Format	1/2.44"
Max Frame Rate	1920 (H) x 1536 (V) @30fps SuperPixGain HDR™ + VS
Output Interface	20/16/14/12/10-bit@1/2/4 Lane MIPI 12/10/8-bit@1/2/4 Lane LVDS
Output Format	RAW RGB YUV422
CRA	19°
Sensitivity	12213mV/lux·s
Dynamic Range	140dB @SuperPixGain HDR™ + VS四帧融合
SNR	42.55dB
Operation Temperature Range	-40°C to +105°C
Power Supply	Analog = 2.8±0.1 V Digital = 1.05V (0.95V~1.1V) I/O = 1.8V ± 0.1V
Package	iBGA: 8.500 × 7.400 mm, 79-pin COB: 6.860 × 5.800 mm, 111-pin RW: 6.910 × 5.850 mm, 111-pin

### 产品特性 | Features

- 高感度  
High sensitivity
- 高达140dB的四帧融合HDR  
Up to 140dB 4-frame HDR
- 低噪声  
Low Noise
- LED闪烁抑制  
LED Flicker Suppression (LFS)

### 应用场景 | Applications

- 车载侧视摄像头  
Side View Cameras
- 车载环视摄像头  
Surround View Cameras
- 车载后视摄像头  
Rear View Cameras



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