



SMARTSENS

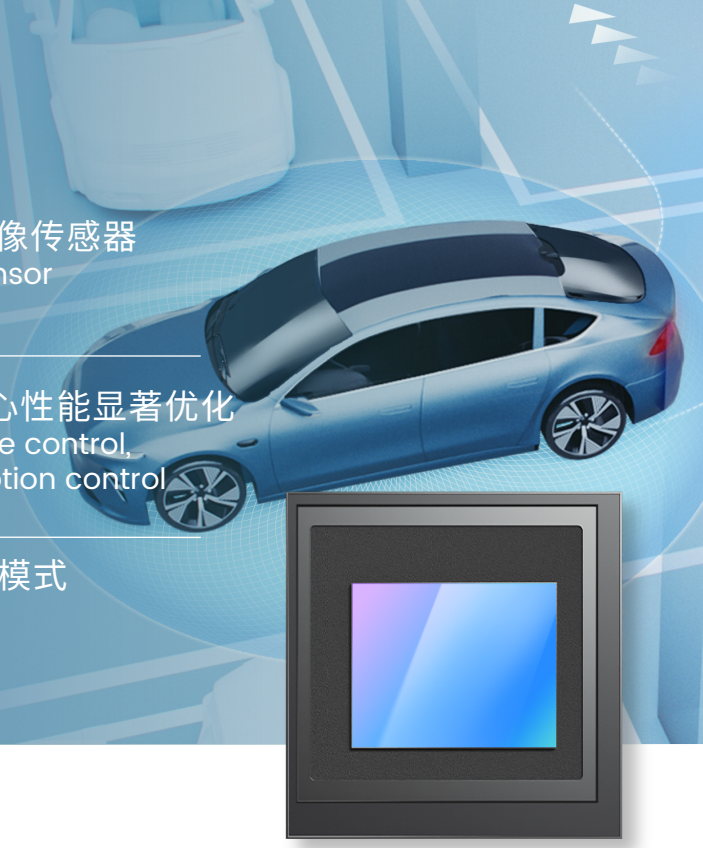
CMOS 图像传感器

CMOS IMAGE SENSOR

SC326AT 产品单页

SC326AT Product Flyer

- 思特威首颗实现全流程国产化的车规级CMOS图像传感器
SmartSens' first automotive-grade CMOS image sensor to be domestically designed and manufactured
- 感度、噪声抑制、高温成像稳定性、功耗控制等核心性能显著优化
Achieves significant improvement in sensitivity, noise control, imaging at high temperatures, and power consumption control
- 支持高达120dB的PixGain HDR® + VS三帧HDR模式和片上ISP功能
Supports up to 120dB PixGain HDR®+ VS mode and has built-in ISP



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	3MP
Pixel Array	1944H x 1560V
Pixel Size	3.0µm x 3.0µm
Optical Format	1/2.44"
Max Frame Rate	1920 (H) x 1536 (V) @30fps PixGain HDR [®] + VS
	1920 (H) x 720 (V) @60fps PixGain HDR [®] + VS
Output Interface	10/8-bit DVP
	20/12/10/8-bit@1/2/4 Lane MIPI
	12/10/8-bit@1/2/4 Lane LVDS
Output Format	RAW RGB
	YUV422
CRA	19°
Sensitivity	8635mV/lux·s
Dynamic Range	120dB @PixGain HDR [®] + VS三帧融合
SNR	42.07dB
Operation Temperature Range	-40°C to +105°C
Power Supply	Analog = 2.8±0.1 V
	Digital = 1.2±0.06 V
	I/O = 1.8V ± 0.1V
Package	143-pin iBGA: 9.8mm x 10.1mm

产品特性 | Features

- 峰值量子效率高达85%
Peak QE of up to 85%
- 高达120dB的三帧HDR模式
Up to 120dB 3-frame HDR mode
- 低噪声
Low Noise
- 高温成像稳定性
Stable imaging at high temperatures

应用场景 | Applications

- 车载环视摄像头
Surround View Cameras



WeChat



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