

SC365AT 产品单页

SC365AT Product Flyer

- 业内首款集成SerDes与片上ISP 300万像素车载CMOS图像传感器
The industry's first 3MP automotive CMOS image sensor with integrated SerDes and on-chip ISP
- 3.0 μ m单像素设计
3.0 μ m single-pixel design
- Stacked BSI工艺架构
Stacked BSI process architecture
- 搭载CARLoFic HDR™、LFS (LED闪烁抑制) 等核心技术
Equipped with CARLoFic HDR™、LFS (LED Flicker Suppression) technologies
- 符合ISO 26262 ASIL B汽车功能安全和AEC-Q100 Grade 2等多项车规标准
Conform to multiple automotive-grade standards including ISO 26262 ASIL B automotive functional safety and AEC-Q100 Grade 2



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®-XR Gen 2 Series

规格说明 | Specifications

项目 Item	参数 Parameters
Resolution	3MP
Pixel Array	1948H x 1548V
Pixel Size	3.0μm
Optical Format	1/2.44"
Max Frame Rate	1920H× 1536V @40fps
Output Interface	20/16/14/12/10-bit @ 1/2/4-Lane MIPI
Output Format	RAW RGB YUV422
CRA	19°
Sensitivity	12213mV/lux·s
Dynamic Range	140dB
SNR	41.8dB
Ambient Temperature	-40°C ~ +105°C
Junction Temperature	-40°C ~ +125°C
Power Supply	AVDD = 2.8±0.1V DVDD = 1.0±0.05V I/O = 1.8±0.1V
Package	iBGA/COB
Package Size	iBGA, 7.40mm × 8.50 mm COB, 6.93mm× 5.87 mm

产品特性 | Features

- 高帧率
High Frame Rate
- 高感度
High sensitivity
- 高动态范围
High Dynamic Range

应用场景 | Applications

- 汽车环视摄像头
Automotive Surround-View Cameras
- 汽车侧视摄像头
Automotive Side-View Cameras
- 汽车后视摄像头
Automotive Rear-View Cameras



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