

SC485SL 产品单页

SC485SL Product Flyer

- 基于思特威SmartClarity®-3工艺技术打造，
搭载Lightbox IR®、SmartAOV®2.0等多项先进技术
SmartSens SL Series image sensor with Lightbox IR® and SmartAOV®2.0
- 具备高感度、高动态范围、低噪声、高温成像稳定
与超低功耗等优势性能
Features high sensitivity, high dynamic range, low noise,
high-temperature imaging, and 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	4MP
Pixel Array	2704H x 1536V
Pixel Size	2.9µm x 2.9µm
Optical Format	1/1.8"
Max Frame Rate	2688 (H) x 1520 (V) @ 90/60/30 fps 10-bit
Output Interface	16/14/12/10/8-bit 1/2/4Lane MIPI 16/14/12/10-bit 1/2/4Lane LVDS
Output Format	RAW RGB
CRA	9°
Sensitivity	8182 mV/lux·s
Dynamic Range	Liner Mode: 87.6 dB HDR Mode: >120 dB
SNR	42 dB
Operation Temperature Range	-30°C ~ +85°C
Best IQ Temperature	-20°C ~ +60°C
Power Supply	Analog = 2.8 V±0.1 V Digital = 1.2 V±0.06 V I/O = 1.8 V±0.1 V
Package	70-pin CSP 115-pin CLGA
Package Size	8.650 mm x 5.650 mm CSP 13.7 mm x 12 mm CLGA

产品特性 | Features

- 搭载SmartAOV™ 2.0技术，支持全时录像 (AOV) 功能
Equipped with SmartAOV™ 2.0 technology, supporting Always-On Video (AOV)
- 思特威SFCPixel®专利技术和Lightbox IR®技术加持，感度显著提升
SmartSens' SFCPixel® and Lightbox IR® provide significant improvement in sensitivity
- 高动态范围
High dynamic range
- 低功耗
Low power consumption
- 高温成像优化
Imaging at high temperatures

应用场景 | Applications

- 黑光全彩摄像机
Black-light Full-color Cameras
- 安防监控系统
Surveillance Systems
- 网络摄像机
Internet Protocol Cameras
- 行车记录仪
Dash Cameras
- 视频电话会议设备
Video Conference Cameras
- 可移动设备相机
Mobile Device Cameras
- 工业和环境系统
Industrial and Environmental Monitoring System



WeChat



LinkedIn

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