



SMARTSENS

CMOS图像传感器

CMOS IMAGE SENSOR

SC200AI 产品单页

SC200AI Product Flyer

- 极佳的BSI像素低光照成像性能
Excellent BSI pixel for low light performance
- 高达100dB的动态行交叠的双重曝光宽动态
High dynamic range support by 2-exp line based HDR mode upto 100dB



公司简介 | Company Profile

思特威(上海)电子科技股份有限公司(SmartSens Technology)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. 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 bit DVP 10/8 bit 1/2 lane MIPI
Output Format	RAW RGB
CRA	15°
Sensitivity	8,200mV/Lux-s
Dynamic Range	HDR Mode up to 100dB Linear Mode 83dB
SNR	42dB
Operation Temperature Range	-30°C to +85°C
Best IQ Temperature	-20°C to +60°C
Power Supply	Analog = 2.8V Digital = 1.2V I/O = 1.8V
Package	4l pin CSP
Package Size	6.26mm x 4.07mm

产品特性 | Features

- 低照全彩成像**
 Low Light Full Colour Imaging
- 有效提升高温环境下的成像效果，提供色彩更佳的图像**
 Effectively Improve the Imaging Effect in High Temperature Environment and Provide Better Color Image
- 低功耗**
 Low Power Consumption

应用场景 | Applications

- 工业监控摄像头**
 Industrial Surveillance Cameras
- 暗光视频摄像头**
 Low Light Video Cameras
- 家用IoT摄像头**
 Home IoT Cameras



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