



SMARTSENS

# CMOS图像传感器

## CMOS IMAGE SENSOR

### SC2310H 产品单页

#### SC2310H Product Flyer

- 低暗电流3.0 $\mu\text{m}$  BSI像素带来卓越的超星光级性能  
Low dark current 3.0 $\mu\text{m}$  BSI pixel bring superior starlight 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	2 MP
Pixel Array	1932H x 1092V
Pixel Size	3.0μm x 3.0μm
Optical Format	1/2.7"
Max Frame Rate	1920H x 1080V @60fps 1920H x 1080V @30fps
Output Interface	12 bit DVP 12/10/8 bit 1/2 lane MIPI
Output Format	RAW RGB
CRA	12°
Sensitivity	4,800mV/Lux·s
Dynamic Range	HDR Mode upto 100dB Linear Mode 82dB
SNR	43dB
Operation Temperature Range	-30°C to +85°C
Best IQ Temperature	-20°C to +60°C
Power Supply	Analog = 2.8V Digital = 1.5V I/O = 1.8V
Package	41 pin CSP
Package Size	6.44mm x 4.32mm

### 产品特性 | Features

- 改善像素设计减少暗电流及噪声  
Improved Pixel Design for Reduced Dark Current and Low Noise Image
- 850/940nm 近红外增益  
850/940 nm Near IR Improvement
- 高信噪比  
High Signal to Noise Ratio
- 多传感器同步  
Multiple Sensors Synchronization

### 应用场景 | Applications

- 工业监控摄像头  
Industrial Surveillance Cameras
- 安防摄像头  
Security Cameras
- 工业自动化摄像头  
Factory Automation Cameras



WeChat



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