



SMARTSENS

# CMOS图像传感器

## CMOS IMAGE SENSOR

### SC231AI 产品单页

#### SC231AI Product Flyer

- 搭载思特威全性能升级技术SmartClarity®-3的图像传感器新品

SmartSens new AI Series image sensor with SmartClarity®-3 technology

- 集更优异的夜视全彩成像、高温成像、低功耗性能优势于一身

Delivers enhanced performance in full-color night vision, low power consumption, and imaging at high temperatures



## 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	2MP
Pixel Array	1928H x 1088V
Pixel Size	2.8µm x 2.8µm
Optical Format	1/2.9"
Max Frame Rate	1920H x 1080V @60fps
Output Interface	10/8 bit 1/2 lane MIPI
	10 bit DVP
Output Format	RAW RGB
CRA	15°
Sensitivity	7,387mV/Lux-s
Dynamic Range	HDR Mode > 100dB
	Linear Mode 86dB
SNR	41dB
Operation Temperature Range	-30°C to +85°C
Best IQ Temperature	-20°C to +60°C
Power Supply	Analog = 2.8±0.1 V
	Digital = 1.5V/1.2±0.06 V
	I/O = 1.8±0.1 V
Package	35 pin CSP
Package Size	5.99mm x 3.65mm

### 产品特性 | Features

- 思特威新一代SmartClarity®-3技术加持，带来性能全面升级  
SmartSens' latest SmartClarity®-3 enable performance upgrades
- 夜视全彩成像效果提升  
Enhanced full-color night vision
- 优异高温成像性能  
Imaging at high temperatures
- 超低功耗  
Low power consumption

### 应用场景 | Applications

- 家用IoT摄像头  
Home IoT Cameras
- 工业监控摄像头  
Industrial Security Cameras
- 微光摄像头  
Low Light Cameras



WeChat



LinkedIn

Website	www.smartsensotech.com
安防监控类应用	security@smartsensotech.com
车载电子类应用	automotive@smartsensotech.com
工业及机器视觉	machinevision@smartsensotech.com
智能手机类应用	mobile_cs@smartsensotech.com
其他	cs@smartsensotech.com

- 上海办公室  
上海市闵行区田林路889号科技绿洲四期8号楼  
Building 8, Shanghai Business Park IV, No. 889 Tianlin Road, Minhang District, Shanghai  
Tel: 021-6485-3570
- 深圳办公室  
深圳市龙岗区坂田街道雅宝路1号 星河WORLD B座2801室  
B2801, Building B, Galaxy WORLD, No.1 Yabao Road, Bantian Street, Longgang District, Shenzhen  
Tel: 0755-2373-9713

- 台湾办公室  
台湾省新竹县竹北市复兴三路二段168号6F  
6F, No.168, Sec.2, Fuxing 3rd Rd., Zhubei City, Hsinchu County 302, Taiwan

- 香港办公室  
香港观塘鸿图道21号讯科中心10楼F室  
RM F, 10/F, INFOTECH CENTRE, 21 HUNG TO RD

- 美国 (圣何塞)  
加利福尼亚州圣何塞市史蒂文森克里克大道4340号280室  
4340 Stevens Creek Blvd, Suite 280, San Jose CA95129  
Tel: +1 408 981 6626