



SMARTSENS

CMOS图像传感器

CMOS IMAGE SENSOR

SC080CS 产品单页

SC080CS Product Flyer

- 思特威消费类领域高度集成的CMOS图像传感器
SmartSens' highly-integrated CMOS image sensor for consumer applications
- 片上集成ISP功能大幅提升输出的影像质量，通过串行数据线输出YUV 422或RAW数据影像
The built-in ISP of the sensor significantly improves the image quality, and image output is provided in YUV422 or RAW data format via SDA
- 搭载SFCPixel®专利技术，即使在弱光环境下也能拥有出色的感光性能
Leveraging SmartSens' proprietary SFCPixel® technology, this image sensor achieves excellent imaging performance in low-light environments

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	QVGA
Pixel Array	248H x 328V
Pixel Size	2.24 μ m x 2.24 μ m
Optical Format	1/20"
Max Frame Rate	240H x 320V @30fps
Output Interface	1 Lane SPI
Output Format	RAW RGB/YUV422
CRA	16.68°
Sensitivity	3,649mV/Lux·s
Dynamic Range	72dB
SNR	36dB
Operation Temperature Range	-30°C to +85°C
Best IQ Temperature	0°C to +60°C
Power Supply	Analog = 2.8V \pm 0.1V I/O = 1.8V/2.8V \pm 0.1V
Package	9 pin CSP
Package Size	1.33mm x 1.51mm

产品特性 | Features

- Sensor+ISP二合一**
Sensor + ISP 2 in 1
- 高灵敏度**
High sensitivity
- 高信噪比**
High Signal-to-Noise Ratio (SNR)
- 支持 SPI 接口输出 RAW/YUV422 数据**
Supports image output in RAW/YUV422 data format via SPI

应用场景 | Applications

- 手机摄像头**
Cellphone Cameras
- 智能家用摄像头**
IP Cameras
- 可移动设备相机**
Mobile Device Cameras



WeChat



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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

■ 北京办公室
 北京市经济技术开发区荣华南路2号大族广场T6座2201室
 Room 2201, Building T6, Dazhu Plaza, No.2, South Ronghua
 Road, Economic-Technological Development Area, Beijing
 Tel: 010-6786-3626

■ 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