



SMARTSENS

# CMOS图像传感器

## CMOS IMAGE SENSOR

### SC201CS 产品单页

#### SC201CS Product Flyer

- 适用手机、平板电脑等应用, 提供彩色和黑白两种规格  
Provide mono/color two type product for smart phone/  
pad applications
- 极低的噪声及FPN为客户带来更佳画质体验  
Low noise and FPN to provide better picture quality experience
- 更出色的高温性能  
Good performance under high-temperature



## 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	参数
Resolution	2MP
Pixel Array	1608H x 1208V
Pixel Size	1.75 $\mu$ m x 1.75 $\mu$ m
Optical Format	1/5.1"
Max Frame Rate	1600H x 1200V @30fps
Output Interface	10/8 bit 1 Lane MIPI
Output Format	RAW MONO/RAW RGB
CRA	31.5°
Sensitivity	Mono: 2,660mV/Lux·s Color: 1,990mV/Lux·s
Dynamic Range	67dB
SNR	36dB
Operation Temperature	-30°C to +85°C
Best IQ Temperature	0°C to +60°C
Power Supply	Analog = 2.8V I/O = 1.8V
Package	24 pin CSP RW/COB
Package Size	CSP: 3.40mm x 3.05mm RW: 3.42mm x 3.07mm COB: 3.37mm x 3.02mm

## 产品特性 | Features

- 拥有出色的噪声控制性能  
Excellent Low Noise Performance
- 具有极佳信噪比及动态范围  
Great Max SNR and Dynamic Range
- 高灵敏度  
High Sensitivity
- 低功耗  
Low Power

## 应用场景 | Applications

- 智能手机前后置摄像头  
Smart Phone Front and Rear Camera
- 平板电脑、儿童手表、家居IPC  
Pad/Children's Watch/Home IPC



WeChat



LinkedIn

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