



SMARTSENS

# CMOS图像传感器

## CMOS IMAGE SENSOR

### SCI300CS 产品单页

#### SCI300CS Product Flyer

- 1.12 $\mu$ m BSI像素工艺结合先进的PDAF技术,赋能手机摄像应用  
1.12 $\mu$ m pixel BSI sensor with PDAF suitable for smartphone rear and front lens applications
- 极佳的感光性能以及降噪能力带来高灵敏度和动态范围  
Great ability of sense light and noise control to get great sensitivity and dynamic range

## 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	13MP
Pixel Array	4216H x 3128V
Pixel Size	1.12μm x 1.12μm
Optical Format	1/3.06"
Max Frame Rate	4208H x 3120V@30fps 10bit
Output Interface	10/8-bit 1/2/4 Lane MIPI
Output Format	RAW RGB
CRA	33.2°
Sensitivity	650mV/LUX*S
Dynamic Range	72dB
Max SNR	40dB
Operation Temperature	-30°C to +85°C
Power Supply	Analog = 2.8 V
	Digital = 1.2V
	I/O = 1.8V
Package	COB
Package Size	COB: 5.320mm x 4.495mm

## 产品特性 | Features

- BSI像素工艺结合超低噪声读取电路设计技术,带来出色的噪声控制性能  
BSI with Low Read Noise Technology to Get Great Noise Control
- 搭载先进的PDAF技术  
Advanced PDAF Technology
- 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

- 智能手机前置摄像头  
Smart Phone Front Camera
- 智能手机后置摄像头  
Smart Phone Rear Camera



WeChat



LinkedIn

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