



SMARTSENS

# CMOS图像传感器

## CMOS IMAGE SENSOR

### SC223A 产品单页

#### SC223A Product Flyer

- 搭载思特威最新DSI-2技术, 创新工艺带来极佳的夜视全彩影像  
Marvelous full-color night vision with DSI-2 imaging technology
- 艳丽的色彩呈现力, 白天+黑夜成像性能双升级  
Delivering brilliant color rendering performance  
and producing high-quality imaging both in day and night



## 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	2MP
Pixel Array	1928H x 1088V
Pixel Size	2.9 $\mu$ m x 2.9 $\mu$ m
Optical Format	1/2.8"
Max Frame Rate	1920H x 1080V@30fps
Output Interface	10-bit DVP
	10/8-bit 1/2 Lane MIPI
Output Format	RAW RGB
CRA	15°
Sensitivity	7330mV/LUX*S
Dynamic Range	Linear mode 80dB
Max SNR	39dB
Operation Temperature	-30°C to +85°C
Best IQ Temperature	-20°C to +60°C
Power Supply	Analog = 2.8 V
	Digital = 1.2V
	I/O = 1.8V
Package	41-pin CSP
Package Size	6.17mm x 4.13mm

## 产品特性 | Features

- 搭载DSI-2技术, 低照度下拥有极佳灵敏度**  
 High Sensitivity in Low Light Conditions with DSI-2 Imaging Technology
- 出色的色彩饱和度带来出色夜视全彩及日间艳丽成像**  
 Full-color Night Vision and Brilliant Daytime Imaging with Excellent Chroma
- 搭载PixGain™技术带来更佳信噪比及动态范围**  
 Enhanced MaxSNR and HDR Efficiency with PixGain™ Technology

## 应用场景 | Applications

- 安防监控视频**  
 Surveillance Cameras
- 车载后装摄像头**  
 Vehicle Cameras
- 智能家居IP Cameras**  
 Home IP Cameras



WeChat



LinkedIn

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