



SMARTSENS

CMOS图像传感器

CMOS IMAGE SENSOR

SC8238 产品单页

SC8238 Product Flyer

- 支持最常用的1/3"光学尺寸
Support most commonly used 1/3" optical format
- 4K消费级视频应用的极佳选择
Most suitable for consumer 4K video applications



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	8 MP
Pixel Array	3872H x 2180V
Pixel Size	1.5µm x 1.5µm
Optical Format	1/2.7"
Max Frame Rate	3840H x 2160V @30fps
Output Interface	12/10/8 bit 4 lane MIPI
	12/10/8 bit 4 lane LVDS
Output Format	RAW RGB
CRA	15°
Sensitivity	1,160mV/Lux-s
Dynamic Range	HDR Mode up to 100dB
	Linear Mode 70dB
SNR	36dB
Operation Temperature Range	-30°C to +85°C
Best IQ Temperature	-20°C to +60°C
Power Supply	Analog = 2.8V
	Digital = 1.5/1.2V
	I/O = 1.8V
Package	41 pin CSP
	48 pin PLCC
Package Size	CSP: 6.82mm x 4.65mm
	PLCC: 10.16mm x 10.16mm

产品特性 | Features

- 支持最常用的1/3"光学尺寸
Support Most Commonly Used 1/3" Optical Format
- 4K消费级视频应用的极佳选择
Most Suitable for Consumer 4K Video Applications
- 高灵敏度的1.5µm背照式像素
Highly Sensitive 1.5µm BSI Pixel
- 同级别产品中功耗最低
Lowest Power Consumption Among the Same Grade Products

应用场景 | Applications

- 家用监控摄像头
Consumer Surveillance Cameras
- 智能家居/IoT摄像头
Smart Home and IoT Cameras
- 视频会议系统
Video Conferencing Cameras
- 经济型运动相机
Cost Effective Sport Cameras



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