



SMARTSENS

CMOS图像传感器

CMOS IMAGE SENSOR

SC880SL 产品单页

SC880SL Product Flyer

- 思特威首颗1/1.2" 大靶面8MP图像传感器产品, 拥有卓越4K夜视全彩影像

SmartSens' first 1/1.2" optical format 8MP CMOS image sensor, delivering excellent 4K full-color night vision output

- 搭载先进近红外感度NIR+技术, 成就超星光级高清夜视影像

SmartSens' advanced NIR+ technology enables ultra-starlight night vision

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.

SC880SL Product Flyer

SmartClarity®-2 Series

规格说明 | Specifications

项目 Item	参数 Parameters
Resolution	8MP
Pixel Array	3856H x 2176V
Pixel Size	2.988µm x 2.988µm
Optical Format	1/1.2"
Max Frame Rate	SHDR: 3840H x 2160V @30fps Normal Mode: 3840H x 2160V @60fps
Output Interface	12/10/8 bit 1/2/4/2 Lane MIPI 12/10/8 bit 1/2/4/2 Lane LVDS
Output Format	RAW RGB
CRA	9°
Sensitivity	7940mV/Lux·s
Dynamic Range	HDR Mode up to 100dB Linear Mode 87dB
SNR	42dB
Operation Temperature	-30°C to +85°C
Best IQ Temperature	-20°C to +60°C
Power Supply	Analog = 2.8V±0.1V Digital = 1.5V±0.1V I/O = 1.8V±0.1V
Package	88 pin PLCC
Package Size	17mm x 13mm



产品特性 | Features

- 1/1.2"大靶面结合BSI工艺
1/1.2" optical format BSI CMOS image sensor
- 暗光效果卓越
Excellent low-light imaging performance
- 搭载思特威先进近红外感度NIR+技术
Leverages SmartSens' advanced NIR+ technology
- 出色的高温性能
Brilliant vision output at high temperatures

应用场景 | Applications

- 高端安防摄像头
High-end Security Cameras
- 星光级安防监控系统
Starlight Monitoring Systems
- 夜视全彩摄像头
Full-Color Night Vision Cameras



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