



CMOS 图像传感器

CMOS IMAGE SENSOR

SC489SL 产品单页

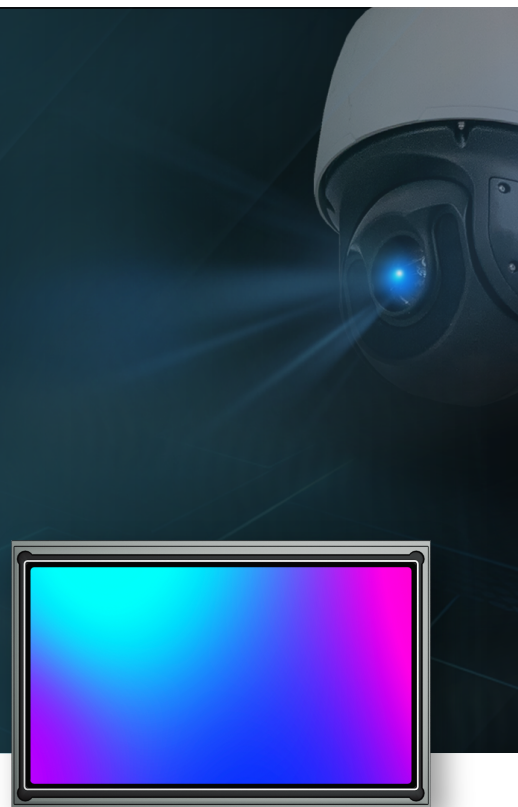
SC489SL Product Flyer

- 搭载思特威SmartClarity®-3和Lightbox IR®-2技术的4MP智能安防应用图像传感器新品

SmartSens 4MP CMOS image sensor with SmartClarity®-3 and Lightbox IR®-2 technologies for intelligent security applications

- 具备近红外感度增强、高动态范围、低噪声、低功耗等性能优势

Features Near-Infrared (NIR) sensitivity enhancement, high dynamic range, low noise, and low power consumption



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.

SmartClarity[®]-3

规格说明 | Specifications

项目 Item	参数 Parameters
Resolution	4MP
Pixel Array	2704H x 1536V
Pixel Size	2.9µm x 2.9µm
Optical Format	1/1.8"
Max Frame Rate	2688H x 1520V @90/60/30fps 10bit
Output Interface	16/14/12/10/8 bit 1/2/4 Lane MIPI
	16/14/12/10 bit 1/2/4 Lane LVDS
Output Format	RAW RGB
CRA	9°
Sensitivity	8182mV/Lux·s
Dynamic Range	Linear Mode: 87.6dB
	HDR Mode: >120dB
SNR	42dB
Operation Temperature Range	-20°C to +60°C
Best IQ Temperature	-20°C to +60°C
Power Supply	Analog = 2.8±0.1V
	Digital = 1.2±0.06V
	I/O = 1.8±0.1V
Package	70 pin CSP
Package Size	8.65mm × 5.65mm

产品特性 | Features

- 全新Lightbox IR[®]-2技术，近红外感度的显著提升
SmartSens' Lightbox IR[®]-2 technology achieves the improvement of Near-Infrared (NIR) sensitivity
- 高动态范围
High dynamic range
- 低噪声
Low Noise
- 低功耗
Low power consumption

应用场景 | Applications

- 黑光全彩摄像机
Dark-Light Full-Color Cameras
- 安防监控系统
Surveillance Systems
- 网络摄像机
IP Cameras (IPC)



WeChat



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