



SMARTSENS

CMOS 图像传感器

CMOS IMAGE SENSOR

SCC85HAI 产品单页

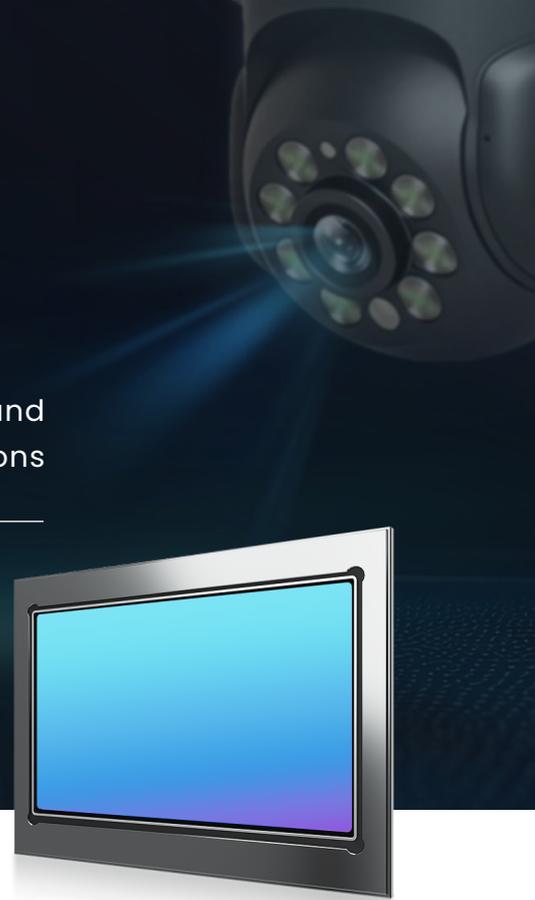
SCC85HAI Product Flyer

- 搭载SmartClarity®-3和 SmartAOV®2.1 先进技术的15MP智能安防应用图像传感器

SmartSens 15MP CMOS image sensor with SmartClarity®-3 and SmartAOV®2.1 technologies for intelligent security applications

- 具备高分辨率、高感度、低噪声、高动态范围等性能优势

Features high resolution, high sensitivity, low noise, and high 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 (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.

规格说明 | Specifications

项目 Item	参数 Parameters
Resolution	15MP
Pixel Array	5152H x 3104V
Pixel Size	1.5µm x 1.5µm
Optical Format	1/1.78"
Max Frame Rate	5120H x 3072V @40fps 10bit (Digital: 1.2V) 5120H x 3072V @50fps 10bit (Digital: 1.5V)
Output Interface	16/12/10/8-bit 1/2/4/8/2x4 Lane MIPI 16/12/10/8-bit 1/2/4/8 Lane LVDS
Output Format	RAW RGB
CRA	9°
Sensitivity	1556mV/Lux·s
Dynamic Range	Linear Mode: 81.03dB WDR Mode: >100dB
SNR	38.51dB
Operation Temperature	-30°C to +85°C
Best IQ Temperature	-20°C to +60°C
Power Supply	Analog = 2.8V±0.1V Digital = 1.2/1.5±0.06V I/O = 1.8±0.1 V
Package	71 pin CSP
Package Size	9.28mm × 6.79mm

产品特性 | Features

- 5120H × 3072V的5K高清分辨率，可显著提升成像画面的清晰度
5K high resolution (5120H×3072V) significantly improves imaging clarity
- 搭载思特威全新SmartAOV®2.1技术，支持全时录像(AOV)功能
Equipped with SmartAOV®2.1 technology, it supports Always-On Video (AOV)
- 高感度
High sensitivity
- 低噪声
Low noise
- 高动态范围
High dynamic range

应用场景 | Applications

- 安防监控系统
Security Surveillance Systems
- 可移动设备相机
Mobile Device Cameras
- 网络摄像机
IP Cameras (IPC)
- 视频电话会议设备
Video Conference Cameras



WeChat



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