



# CMOS 图像传感器

## CMOS IMAGE SENSOR

### SC630HIOT 产品单页

#### SC630HIOT Product Flyer

- 搭载思特威SmartClarity®-2和SFCPixel®技术的图像传感器  
SmartSens new HIOT Series CMOS image sensor with SmartClarity®-2 and SFCPixel® technologies
- 具备高感度、高动态范围、低功耗等性能优势  
Features high sensitivity, high dynamic range, 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<sup>®</sup>-2

## 规格说明 | Specifications

项目   Item	参数   Parameters
<b>Resolution</b>	6MP
<b>Pixel Array</b>	2564H x 2564V
<b>Pixel Size</b>	2.0 $\mu$ m x 2.0 $\mu$ m
<b>Optical Format</b>	1/2.5"
<b>Max Frame Rate</b>	2560H x 2560V @60fps 10bit 2560H x 2560V @30fps PGHDR 10bit
<b>Output Interface</b>	16/14/12/10/8 bit 1/2/4 Lane MIPI
<b>Output Format</b>	RAW RGB
<b>CRA</b>	15°
<b>Sensitivity</b>	2310mV/Lux-s
<b>Dynamic Range</b>	80dB
<b>SNR</b>	40dB
<b>Operation Temperature Range</b>	-30°C to +85°C
<b>Best IQ Temperature</b>	-20°C to +60°C
<b>Power Supply</b>	Analog = 2.8 $\pm$ 0.1V Digital = 1.5 $\pm$ 0.06V I/O = 1.8 $\pm$ 0.1V
<b>Package</b>	55 pin CSP
<b>Package Size</b>	6.084mm x 7.034mm

## 产品特性 | Features

- 采用思特威SmartClarity<sup>®</sup>-2技术, 带来优质夜视全彩影像  
SmartSens' SmartClarity<sup>®</sup>-2 brings outstanding full-color night vision
- 高感度  
High sensitivity
- 高动态范围  
High dynamic range
- 超低功耗  
Low power consumption

## 应用场景 | Applications

- 智能家用摄像头  
Smart Home Cameras
- 安防监控系统  
Surveillance Systems
- 可移动设备相机  
Mobile Device Cameras
- 视频电话会议设备  
Video Conference Cameras
- 广角/超广角鱼眼摄像机  
Wide-Angle/Ultra-Wide Angle Fisheye Cameras



WeChat



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