

SC562HS 产品单页

SC562HS Product Flyer

- 搭载思特威PixGain HDR®、SFCPixel®及AllPix ADAF®技术的图像传感器
SmartSens new CMOS image sensor with PixGain HDR®, SFCPixel®, and AllPix ADAF® technologies

- 具备高动态范围、高感度和低噪声等性能优势
Provides superior performance in high dynamic range, high sensitivity, and low noise

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	50MP
Pixel Array	8224H x 6176V
Pixel Size	1.008μm x 1.008μm
Optical Format	1/1.55"
Max Frame Rate	8192H x 6144V @15fps 10-bit
Output Interface	MIPI C-PHY 1/2/3-trio
	MIPI D-PHY 1/2/4-lane
Output Format	RAW RGB/QCell RGB
CRA	36.1°
Sensitivity	1024mV/Lux-s
Dynamic Range	88.5dB
SNR	43.3dB
Operation Temperature Range	-20°C to +85°C
Best IQ Temperature	0°C to +60°C
Power Supply	AVDD = 2.8V
	DVDD = 1.2 V
	DOVDD = 1.8/1.2 V
Package	COB/RW
Package Size	COB : 9.225mm x 7.020mm
	RW : 9.375mm x 7.170mm

产品特性 | Features

- 搭载思特威专利PixGain HDR®技术，支持高动态范围视频录制
Equipped with SmartSens' PixGain HDR® technology, enabling high dynamic range (HDR) video recording
- 搭载SFCPixel®技术，感度显著提升
SmartSens' SFCPixel® provides significant improvement in the sensor's sensitivity
- 出色的噪声控制性能，夜景更清晰
Excellent noise control performance for clearer night imaging
- 100%全像素对焦
All-pixel all-directional autofocus

应用场景 | Applications

- 手机摄像头
Smartphone Cameras
- 可移动设备相机
Mobile Device Cameras
- PC多媒体设备
PC Devices
- 视频电话会议设备
Video Conferencing Cameras



WeChat



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