

SC532HS 产品单页

SC532HS Product Flyer

- 思特威5000万像素0.8 μ m像素尺寸手机应用图像传感器
SmartSens 50-MegaPixel 0.8-Micron Pixel CMOS Image Sensor for smartphone cameras.
- 具备高分辨率、高动态范围、100%全像素对焦、低噪声等多项性能优势
Achieves high resolution, high dynamic range, 100% all-pixel all-directional autofocus (AllPix ADAF[®]), and low noise.
- 适用于主流智能手机主摄及长焦摄像头
Suitable for main and telephoto cameras in smartphones.

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	0.801 μm x 0.801 μm
Optical Format	1/2"
Max Frame Rate	8192H x 6144V @15FPS 10bit
Output Interface	MIPI C-PHY 1/2/3-trio, Max. 2.5 Gbps/trio MIPI D-PHY 1/2/4-lane, Max. 2.5 Gbps/lane
Output Format	RAW RGB/QCell RGB
CRA	35.14°
Sensitivity	Fullsize: 606.23 mV/lux-s Summing: 2424.91 mV/lux-s
Dynamic Range	Fullsize: 69.53 dB Summing: 81.04 dB
SNR	Fullsize: 33.98 dB Summing: 40.21 dB
Operation Temperature Range	-20°C ~ +85°C
Best IQ Temperature	0°C ~ +60°C
Power Supply	Analog = 2.8 V Digital = 1.2 V I/O = 1.8/1.2 V
Package	117-pad
Package Size	COB: 7.560 × 5.7663 mm RW: 7.710 × 5.8163 mm

产品特性 | Features

- 高动态范围 (HDR)
High dynamic range
- 高感度
High sensitivity
- 低噪声
Low noise
- 100%全像素对焦
100% all-pixel all-directional autofocus (AllPix ADAF®)

应用场景 | Applications

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



WeChat



LinkedIn

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