



SMARTSENS

CMOS 图像传感器

CMOS IMAGE SENSOR

SC585XS 产品单页

SC585XS Product Flyer

- 思特威5000万像素高端旗舰手机应用图像传感器
SmartSens 50MP image sensor for flagship smartphones
- 搭载SFCPixel®-2、PixGain HDR®及AllPix ADAF®等技术
Incorporating technologies including SFCPixel®-2,
PixGain HDR® and AllPix ADAF®
- 兼具高动态范围、低噪声、快速对焦、超低功耗等多项优势性能
Integrating multiple superior features including high dynamic range,
low-noise performance, rapid focusing, and ultra-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.

规格说明 | Specifications

项目 Item	参数 Parameters
Resolution	50MP
Pixel Array	8208H x 6208V
Pixel Size	1.22µm x 1.22µm
Optical Format	1/1.28"
Max Frame Rate	8192H x 6144V @23FPS 10bit
Output Interface	MIPI C-PHY 1/2/3-trio, Max. 3.0 Gbps/trio MIPI D-PHY 1/2/4-lane, Max. 3.5 Gbps/lane
Output Format	RAW RGB/QCell RGB
CRA	36.9°
Sensitivity	Fullsize: 166 mV/lux-s RSS: 666 mV/lux-s
Dynamic Range	Fullsize: 80 dB RSS: 91 dB
SNR	Fullsize: 39 dB RSS: 45 dB
Operation Temperature Range	-30°C to +85°C
Best IQ Temperature	0°C to +60°C
Power Supply	Analog = 2.8 V Digital = 0.9 V I/O = 1.8/1.2 V
Package	125-pin
Package Size	COB: 11.286 x 8.550 mm RW: 11.456 mm x 8.720 mm

产品特性 | Features

- **高动态范围**
High dynamic range
- **超低噪声**
Ultra-low noise
- **100%全像素对焦**
100% all-pixel all-directional autofocus (AllPix ADAF®)
- **超低功耗**
Ultra-low power consumption

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



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