

SC1400ME 产品单页

SC1400ME Product Flyer

- 搭载思特威SmartClarity®-3和SFCPixel®技术的医疗系列图像传感器新品

SmartSens new ME Series image sensor
with SmartClarity®-3 and SFCPixel® technologies

- 具备高感度、低噪声、低功耗等性能优势

Provides superior performance in high sensitivity,
low noise, 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[®]-3 Series

规格说明 | Specifications

项目 Item	参数 Parameters
Resolution	2MP
Pixel Array	1424H x 1424V
Pixel Size	1.12μm x 1.12μm
Optical Format	1/8"
Max Frame Rate	1416H x 1416V @50fps
	1400H x 1400V @50fps
	1200H x 1200V @60fps
Output Interface	MIPI:1C1D / LVDS:1C1D
Output Format	8/10-bit RGB RAW
CRA	34.1°
Sensitivity	725mV/Lux·s
Dynamic Range	69.1dB
SNR	38.6dB
Operation Temperature Range	-30°C to +85°C
Best IQ Temperature	-20°C to +60°C
Power Supply	AVDD = 2.8±0.1 V
	DVDD = 1.5±0.06 V
	DOVDD = 1.8±0.1 V
Package	CSP-OP
Package Size	1.905mm x 2.499mm

产品特性 | Features

- 超小尺寸, 1:1画幅, 适配多元医疗应用
Ultra-small chip size and 1:1 resolution, suitable for diverse medical endoscopes
- 搭载思特威SFCPixel[®]技术, 为医疗内窥镜摄像头带来清晰、明亮、稳定的高清彩色图像
SmartSens' SFCPixel[®] brings clear, bright, and stable high-definition color images to medical endoscopic cameras
- 支持MIPI/LVDS两种接口, 兼容不同主控
Support MIPI/LVDS interface, flexible compatibility with different System on Chips
- 超低功耗
Low power consumption

应用场景 | Applications

- 微创内窥镜
Minimally invasive endoscopy



WeChat



LinkedIn

Website	www.smartsensitech.com
安防监控类应用	security@smartsensitech.com
车载电子类应用	automotive@smartsensitech.com
工业及机器视觉	machinevision@smartsensitech.com
智能手机类应用	mobile_cs@smartsensitech.com
其他	cs@smartsensitech.com

■ 上海办公室

上海市闵行区田林路889号科技绿洲四期8号楼
Building 8, Shanghai Business Park IV, No. 889 Tianlin Road,
Minhang District, Shanghai
Tel: 021-6485-3570

■ 深圳办公室

深圳市龙岗区坂田街道雅宝路1号 星河WORLD B座2801室
B2801, Building B, Galaxy WORLD, No.1 Yabao Road,
Bantian Street, Longgang District, Shenzhen
Tel: 0755-2373-9713

■ 合肥办公室

合肥市经济技术开发区宿松路3963号智能科技园E栋1501室
Rm 1501, Bldg E, Intelligent Technology Park, No. 3963 Susong Road,
Economic and Technological Development District, Hefei

■ 香港办公室

香港观塘鸿图道21号讯科中心10楼F室
RM F, 10/F, INFOTECH CENTRE, 21 HUNG TO RD

■ 美国(圣克拉拉)

4633 Old Ironsides Dr. Ste330 Santa Clara, CA 95054
Tel: +1 408 981 6626