CMOS图像传感器
CMOS IMAGE SENSOR

SMARTSENS

SC1320CS 产品单页
SC1320CS Product Flyer

■ **思特威1300万像素手机图像传感器新品，搭载思特威SmartClarity®-3技术**

SmartSens' new 13MP CMOS image sensor for smartphone cameras, incorporating SmartClarity®-3 technology

■ **具备高感度、高动态范围、优异噪声控制等性能优势**

Features higher sensitivity, improved dynamic range, better noise control, etc.

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.

SC1320CS Product Flyer

SmartClarity®-3 Series

SMARTSENS

规格说明 | Specifications

项目	Item	参数	Parameters
Resolution	13MP
Pixel Array	4224H x 3134V
Pixel Size	1.12µm x 1.12µm
Optical Format	1/3.06"
Max Frame Rate	4208H x 3120V @30fps
Output Interface	10/8 bit 1/2/4 lane MIPI
Output Format	RAW RGB
CRA	33.69º
Sensitivity	859mV/Lux·s
Dynamic Range	74.0dB
SNR	37.40dB
Operation Temperature Range	−30ºC to +85ºC
Best IQ Temperature	0ºC to +60ºC
Power Supply	Analog = 2.8V±0.1V
	Digital = 1.2V±0.06V
	I/O = 1.8V±0.1V
Package	COB/RW
Package Size	COB：5.300mm x 4.450mm
	RW：5.350mm x 4.500mm

产品特性 | Features

- **高感度**
  Higher sensitivity

- **高动态范围**
  Improved dynamic range

- **优异噪声控制**
  Excellent noise control

- **支持PDAF技术**
  Supports PDAF technology

应用场景 | Applications

- **手机摄像头**
  Phone Cameras

- **可移动设备相机**
  Mobile Device Cameras

- **视频电话会议设备**
  Conference Call Devices