CMOS图像传感器
CMOS IMAGE SENSOR

SMARTSENS

SC5336P 产品单页
SC5336P Product Flyer

- 业内首颗500万DSI-2技术图像传感器，呈现3K 16:9清晰视界
  SmartSens' first 5MP CMOS image sensor with DSI-2 technology, bringing 3K resolution vision output in a 16:9 format

- 搭载升级的DSI-2及SFCPixel®专利技术，为客户提供更优异暗光成像性能
  Enhanced technologies including DSI-2 and SFCPixel® enable excellent low-light imaging performance

- 通过工艺优化与升级，极大提升产品在高温下的成像品质
  The upgraded technologies significantly improve the sensor's imaging performance in high-temperature environments

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.

SC5336P Product Flyer

DSI-2 Series

SMARTSENS

规格说明 | Specifications

项目	Item	参数	Parameters
Resolution	5MP
Pixel Array	2888H x 1628V
Pixel Size	2.0µm x 2.0µm
Optical Format	1/2.7"
Max Frame Rate	Normal Mode:
	2880H x 1620V @30fps
	SHDR:
	2880H x 1620V @15fps
Output Interface	10/8-bit 1/2Lane MIPI
Output Format	RAW RGB
CRA	15°
Sensitivity	2806 mV/lux· s
Dynamic Range	HDR Mode up to 85.69dB
	Linear Mode 75.4dB
SNR	36.7dB
Operation Temperature Range	-30°C to +85°C
Best IQ Temperature	-20°C to +60°C
Power Supply	Analog = 2.8V±0.1V
	I/O = 1.8V±0.1V
Package	35 pin CSP
Package Size	6.45 mm x 4.22 mm

产品特性 | Features

- **宽画幅16:9，可输出5MP 3K视频**
  Supports 5MP/3K output in a 16:9 format

- **升级DSI-2与SFCPixel®专利技术，优异暗光成像**
  Enhanced technologies including DSI-2 and SFCPixel® enable excellent low-light imaging performance

- **工艺升级与优化，高温成像性提升**
  The upgraded technologies improve the sensor's imaging performance in high-temperature environments

- **高灵敏度**
  High sensitivity

应用场景 | Applications

- **模拟监控应用**
  Analog Security Applications

- **安防监控摄像头**
  Security Cameras

- **可移动设备相机**
  Mobile Device Cameras