



SMARTSENS

CMOS图像传感器

CMOS IMAGE SENSOR

SC101AP 产品单页

SC101AP Product Flyer

- 车载后装图像传感器, 搭载片上ISP与TX三合一功能
Automotive Sensor with Integrated ISP and TX Interface
- DSI-2及SFCPixel®专利技术, 拥有更出色的感光度
Using DSI-2 Technology and SFCPixel® Technology to Provide Enhanced Sensitivity

公司简介 | Company Profile

思特威(上海)电子科技股份有限公司(SmartSens Technology)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. 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	1MP
Pixel Array	1288H x 728V
Pixel Size	2.9 μ m x 2.9 μ m
Optical Format	1/4.2"
Max Frame Rate	1280H x 720V @30fps
Output Interface	8 bit DVP 25fps/30fps HD-Analog
Output Format	HD-Analog;RAW RGB /YUV422/BT1120/BT656
CRA	15°
Sensitivity	7,280mV/Lux·s
Dynamic Range	83dB
SNR	41dB
Operation Temperature Range	-30°C to +85°C
Best IQ Temperature	-20°C to +60°C
Power Supply	Analog = 3.3 \pm 0.1V Digital = 3.3 \pm 0.1V I/O = 1.8V/3.3V
Package	35 pin CSP
Package Size	4.31mm x 3.23mm

产品特性 | Features

- 内置集成ISP算法
On-Chip ISP
- 集成TX端口
Integrated TX Interface
- 上电后自动从EEPROM中载入寄存器配置
EEPROM Data Loads Automatically upon Power-up
- 搭载DSI-2技术, 低照度下拥有极佳灵敏度
Improved Sensitivity with DSI-2 Technology in Low-Light Environments

应用场景 | Applications

- 汽车后视、环视系统
Automotive Rear and Surround View Cameras
- 行车记录仪
Dashcams
- 安防监控系统
Security Cameras
- 智能家用摄像头
Smart Home Cameras



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