CMOS图像传感器
CMOS IMAGE SENSOR

SMARTSENS

SC210IoT 产品单页
SC210IoT Product Flyer

- 适用于IoT应用的上电快速启动特性
  Fast power-on features for IoT applications

- 符合IoT应用需要的超低功耗
  Ultra-low power consumption for IoT applications

- 白光场景下高QE&高清晰度表现
  High QE & high definition performance in white light scene

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.

SMARTSENS

产品特性 | Features

- 低功耗，极适合"恒运转"的应用
  Low Power Consumption Perfect for Always-On Application

- 搭载片上AEC功能，可实现极速启动
  On-Chip AEC for Fast Wake-up Feature

- 快速启动响应速度可低至60毫秒
  Support Fast Wake-up As Low As 60ms

- 适用于小型封装而设计
  Enable Small Foot Print Module Design

规格说明 | Specifications

项目 | Item	参数 | Parameters
Resolution	2 MP
Pixel Array	1928H x 1088V
Pixel Size	2.7μm x 2.7μm
Optical Format	1/3"
Max Frame Rate	1920H x 1080V @30fps
Output Interface	10 bit DVP
	10/8 bit 1/2 lane MIPI
Output Format	RAW RGB
CRA	15º
Sensitivity	4,510mV/Lux·s
Dynamic Range	74dB
SNR	38.5dB
Operation Temperature	-30ºC to +85ºC
Best IQ Temperature	-20ºC to +60ºC
Power Supply	Analog = 2.8V
	Digital = 1.2V
	I/O = 1.8V
Package	34 pin CSP
Package Size	5.70mm x 3.83mm

应用场景 | Applications

- 物联网摄像头
  IoT Cameras

- 智能家居摄像头
  Smart Home Cameras

- 婴儿看护摄像头
  Baby Monitor Cameras