



SMARTSENS

CMOS图像传感器

CMOS IMAGE SENSOR

SC5238H 产品单页

SC5238H Product Flyer

- 全新高性能星光级升级技术, 大幅降低暗电流、噪音及白点
Using new high-performance star light upgrade technology, which greatly reduces dark current, temp noise and white pixel
- 支持4:3比率500万分辨率及2K 1440P视频输出
Support 4:3 5MP resolution and 2K 1440P video output

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	5 MP
Pixel Array	2608H x 1960V
Pixel Size	2.0μm x 2.0μm
Optical Format	1/2.7"
Max Frame Rate	2592H x 1944V @20fps 2560H x 1440V @30fps
Output Interface	12/10/8 bit 2 lane MIPI
Output Format	RAW RGB
CRA	15°
Sensitivity	2,800mV/Lux-s
Dynamic Range	HDR Mode up to 100dB Linear Mode 74dB
SNR	39dB
Operation Temperature Range	-30°C to +85°C
Best IQ Temperature	-20°C to +60°C
Power Supply	Analog = 2.8V Digital = 1.5V I/O = 1.8V
Package	41 pin CSP
Package Size	5.96mm x 4.92mm

产品特性 | Features

- 采用全新高性能星光级升级技术**
Using New High-performance Star Light Upgrade Technology
- 暗电流降低50%，噪音降低10%，白点降低20%**
Dark Current is Reduced by 50%, Noise is Reduced by 10%, 20% Reduction in White Point
- 支持动态行交叠的双重曝光宽动态**
2-Exposure Line Based Staggered HDR
- 850/940 nm近红外增益**
850/940 nm Near IR Enhancement
- 低功耗**
Low Power Consumption

应用场景 | Applications

- 专业级工业监控**
Professional Industrial Surveillance Cameras
- 婴儿监控系统**
Baby Monitoring System
- 智能家居监控**
Smart Home Cameras



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