



SMARTSENS
思 特 威 科 技

Smart Life, Smart Sense

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SC5235 Product Flyer | SC5235 产品单页

- 出色的低光照性能
Excellent low-light performance
- 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

SmartSens Technology (思特威电子科技有限公司) 是一家高性能CMOS图像传感器芯片设计公司, 创立于2011年, 在中国上海、北京和其他地区拥有一支全球领先的研发团队。SmartSens专注于提供面向未来和全球领先的CMOS图像传感器芯片产品, 是全球首家推出基于电压域架构和Stack BSI工艺的全局曝光CIS芯片的公司。

目前SmartSens在视频监控领域处于行业领先地位, 产品遍及安防监控、车载影像、机器视觉及消费类电子产品 (运动相机、无人机、扫地机器人、智能家用摄像头) 等应用领域。自成立以来, SmartSens一直以客户为核心, 不断创新, 致力于为客户提供高质量视频解决方案。

SmartSens Technology Co., Ltd is a leading supplier of high-performance CMOS imaging system worldwide. Its global R&D teams in Shanghai and Beijing, China and the rest of the world developing game-changing and market-leading technology, coupled with strong support from strategic partners and ISO-Certified supply chain infrastructure, has delivered innovative, customer-focused and award-winning high-quality imaging solutions for security and surveillance, consumer, automotive and other mass market applications.



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SmartClarity Series

SC5235 Product Flyer



Specifications | 规格说明

Resolution	5MP
Pixel Array	2592H x 1944V
Pixel Size	1.99μm x 1.99μm BSI
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	2800mV/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	AVDD = 2.8V ± 0.1V DVDD = 1.5V ± 0.1V DOVDD = 1.8V ± 0.1V
Package	41 pin CSP
Package Size	5.96mm x 4.92mm

Features | 产品特性

- 高灵敏度
High Sensitivity
- 高信噪比
High Signal to Noise Ratio
- 支持动态行交叠的双重曝光宽动态
2-Exposure Line Based Staggered HDR
- 支持多Sensor同步
Support Multiple Sensor Synchronization
- 支持 2x2 Binning模式
Support 2x2 Binning Mode

Applications | 应用场景

📹 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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