SC1330T 产品单页

SC1330T Product Flyer

- 高灵敏度1/2.8" 4µm 960p和720p 60帧速率视频输出
  High sensitivity 1/2.8" 4µm 960P and 720P 60fps video output

- 具有思特威 PixGain® HDR 和动态行交叠的双重曝光HDR,有效减少拖尾
  Featuring SmartSens PixGain® HDR and 2-exp staggered HDR mode with minimal motion artifacts

- 极适合汽车电子消费类应用
  Most suitable for consumer automotive applications

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.

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SmartPixel™ Series

SMARTSENS

规格说明 | Specifications

项目	Item	参数	Parameters
Resolution	1.23MP
Pixel Array	1288H x 968V
Pixel Size	4.0μm x 4.0μm
Optical Format	1/2.8"
Max Frame Rate	1280H x 960V @60fps
Output Interface	12 bit DVP
	16/12/10/8 bit 1/2 lane MIPI
	16/12/10/8 bit 1/2 lane LVDS
Output Format	RAW RGB
CRA	15°
Sensitivity	15V/Lux·s @HCG
	2.6V/Lux·s @LCG
Dynamic Range	HDR Mode up to 100dB
SNR	46dB
Operation Temperature Range	-40°C to +85°C
Power Supply	Analog = 3.0V
	Digital = 1.5V/1.8V
	I/O = 1.8V
Package	41 pin CSP
Package Size	5.87mm x 5.31mm

产品特性 | Features

- 支持PixGain®HDR和动态行交叠的双重曝光HDR，有效减少拖尾
  Support PixGain® HDR and 2-exp Staggered HDR Mode with Minimal Motion Artifacts

- PixGain®HDR 合成模式下的片上色调映射
  On Chip Tone Mapping Feature in PixGain® HDR Combine Mode

- PixGain® HDR合成模式下的16-bit宽动态成像
  16-bit WDR Image Resulted from PixGain® HDR Combine Mode

- 支持多传感器同步
  Multi-Sensor Sync Support

应用场景 | Applications

- 车用后视影像
  Automotive Rear View Cameras

- 车用360°环视影像
  Automotive Surround View Cameras

- 车用可见光摄像头
  Automotive Visible Light Cameras