



SMARTSENS

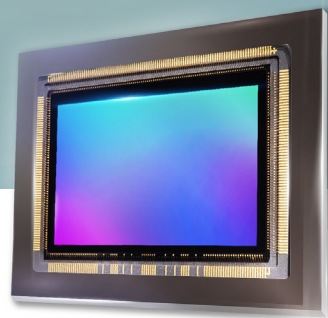
CMOS 图像传感器

CMOS IMAGE SENSOR

SC038HGS 产品单页

SC038HGS Product Flyer

- 搭载思特威SmartGS™ -2 Plus技术的图像传感器新品
SmartSens new GS Series image sensor
with SmartGS™ -2 Plus technology
- 具备高感光性、低噪声、高帧率和低功耗四大性能优势
Provides superior performance in high sensitivity,
low noise, high frame rate, and low power consumption



公司简介 | Company Profile

思特威(上海)电子科技股份有限公司 SmartSens Technology (股票简称:思特威, 股票代码:688213)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. (Stock Code:688213) 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	0.3MP
Pixel Array	648H x 488V
Pixel Size	3.0μm x 3.0μm
Optical Format	1/7.5"
Max Frame Rate	640H x 480V @240fps
Output Interface	MIPI : D-PHY, 1CID
	LVDS : 8/10-bit, 1-lane
	DVP : 8-bit (COB package only)
Output Format	RAW
CRA	29.01°
Sensitivity	914lmV/Lux-s
Dynamic Range	60.3dB
SNR	40.9dB
Operation Temperature Range	-30°C to +85°C
Best IQ Temperature	-20°C to +60°C
Power Supply	Analog = 2.8±0.1 V
	Digital = 1.2±0.06 V
	I/O = 1.8/2.8±0.1 V
Package	CSP/COB/RW
	CSP : 2.73mm x 2.28mm
Package Size	COB : 2.70mm x 2.25mm
	RW : 2.75mm x 2.30mm

产品特性 | Features

- 搭载思特威先进SmartGS®-2 Plus技术, 实现高质量图像捕捉
SmartSens' SmartGS®-2 Plus for high-quality image capture
- 支持240fps超高帧率, 带来流畅成像效果
Supports 240fps high frame rate, resulting in smooth imaging effects
- 支持MIPI D-PHY/LVDS/DVP多样化接口
Supports MIPI D-PHY/LVDS/DVP interfaces
- 超低功耗
Low power consumption

应用场景 | Applications

- 机器视觉
Machine Vision
- AR/VR 6DoF系统
AR/VR 6DoF Systems
- 翻译笔
Translation Pens
- 条码扫描
Barcode Scanning



WeChat



LinkedIn

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