



SMARTSENS

# CMOS图像传感器

## CMOS IMAGE SENSOR

### SC650HGS产品单页

#### SC650HGS Product Flyer

- 搭载SmartGS<sup>®</sup>-2技术的BSI架构全局快门图像传感器  
A BSI Global Shutter image sensor with SmartGS<sup>®</sup>-2 technology
- 可流畅输出65fps视频画面, 赋能工业智能摄像头应用  
Allowing industrial customers to shoot at 65fps

## 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	6MP
Pixel Array	2896H x 2176V
Pixel Size	4.0μm x 4.0μm
Optical Format	1"
Max Frame Rate	2880 x 2160 @65fps
Output Interface	12/10/8-bit 1/2/4/2x4 Lane MIPI 12/10/8-bit 1/2/4/2x4 Lane LVDS
Output Format	RAW RGB
CRA	9°
Sensitivity	Mono: 14800mV/Lux·s
Dynamic Range	62dB
SNR	42dB
Operation Temperature Range	-30°C to +85°C
Best IQ Temperature	-20°C to +60°C
Power Supply	Analog = 2.8V±0.1V
	Digital = 1.5V±0.1V I/O = 1.8V±0.1V
Package	300 pin CLGA
Package Size	24mm × 18mm × 1.7mm

## 产品特性 | Features

- 搭载SmartGS<sup>®</sup>-2技术的BSI架构全局快门6MP图像传感器

6MP BSI Global Shutter Image Sensor with SmartGS<sup>®</sup>-2 Technology

- 可精准、清晰捕捉高速运动物体,适用于工业相机应用

Enabling the Capturing of Fast-Moving Objects without Distortion for Industrial Cameras

- 65fps视频输出,赋能工业应用

Shooting at 65fps for Industrial Cameras

- 高感光度

High Sensitivity

## 应用场景 | Applications

- 智能工业相机

Smart Industrial Cameras

- 工业自动化应用

Industrial Automation Cameras

- 智能物流应用

Smart Logistics Cameras



WeChat



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