



SMARTSENS

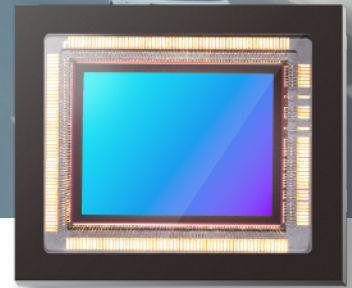
# CMOS 图像传感器

## CMOS IMAGE SENSOR

### SC635HGS 产品单页

#### SC635HGS Product Flyer

- 搭载SmartGS™-2 Plus技术的高性能智能交通(ITS)应用全局快门图像传感器  
Global shutter image sensor with SmartGS™-2 Plus technology for Intelligent Transportation System (ITS)
- 兼具高感度、高动态范围、低噪声等多项性能优势  
Achieves high sensitivity, high dynamic range, and low noise.
- 高温性能、帧率、快门效率、分辨率比例等多个关键能力优化  
Optimization of key capabilities such as high-temperature performance, frame rate, Parasitic Light Sensitivity (PLS), and resolution ratio.



## 公司简介 | Company Profile

思特威(上海)电子科技股份有限公司 SmartSens Technology (股票代码: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	6MP
Pixel Array	2896H x 2192V
Pixel Size	4µm x 4µm
Optical Format	1/1.1"
Max Frame Rate	2880H x 2160V @65FPS 10bit
Output Interface	12/10/8-bit 1/2/4/8/2x4 Lane MIPI 14-bit 1/2/4 Lane MIPI @ColGain HDR combine 12/10/8-bit 1/2/4 Lane LVDS
Output Format	RAW RGB
CRA	7.2°
Sensitivity	12613 mV/lux-s
Dynamic Range	Linear Mode: 63.2 dB ColGain HDR Mode: 70.0 dB Multi-Zone WDR Mode: >100 dB
SNR	43.8 dB
Operation Temperature Range	-30°C ~ +85°C
Best IQ Temperature	-20°C ~ +60°C
Power Supply	AVDD/PVDD = 2.8V ± 0.1V DVDD = 1.5V ± 0.06V DOVDD = 1.8V ± 0.1V
Package	CLGA 300-pin
Package Size	24mm × 18mm × 1.7mm

### 产品特性 | Features

- 搭载思特威SmartGS™-2 Plus技术, 无畸变清晰成像  
SmartSens' SmartGS™-2 Plus technology enables distortion-free and clear imaging
- 高感度、高动态范围、低噪声  
High sensitivity, high dynamic range, and low noise
- 超高快门效率  
Ultra-high shutter speed

### 应用场景 | Applications

- 智能交通系统  
Intelligent Transportation System
- 工业相机  
Industrial Machine Vision Cameras
- 汽车电子  
Automotive
- 安防监控系统  
Security Surveillance System
- 高速摄影系统  
Motion Monitoring



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