



SMARTSENS

# CMOS图像传感器

## CMOS IMAGE SENSOR

### SC1336 产品单页

#### SC1336 Product Flyer

- 基于DSI-2技术的首颗车载图像传感器，适用于高清车载影像设备  
Upgraded version CMOS image sensor for automotive cameras with DSI-2 imaging technology
- 搭载PixGain技术，白天+黑夜均可实现层次感丰富的高清影像

## 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 and automotive cameras.

SmartSens is committed to continuous innovation of products and fueling growth in numerous industries by delivering a more comprehensive portfolio of image sensors.

## DSI-2 Series

## 规格说明 | Specifications

项目   Item	参数   Parameters
Resolution	1MP
Pixel Array	1284H x 724V
Pixel Size	3.75μm x 3.75μm
Optical Format	1/3"
Max Frame Rate	1280H x 720V @60fps
Output Interface	10/8 bit 1/2 Lane MIPI
Output Format	RAW RGB
CRA	15°
Sensitivity	12448mV/Lux-s
Dynamic Range	83dB
SNR	40dB
Operation Temperature	-30°C to +85°C
Best IQ Temperature	-20°C to +60°C
Power Supply	Analog = 2.8V±0.1V
	Digital = 1.8V±0.1V
Package	35 pin CSP
Package Size	5.462mm x 3.496mm

## 产品特性 | Features

- 搭载DSI-2技术, 拥有出色夜视全彩性能  
Using DSI-2 Imaging Technology to Deliver Full-Color Night Vision
- PixGain技术加持, 日夜成像都高清  
Using PixGain Technology to Capture High-Definition Video during Daytime and Nighttime
- 高感光度  
High Sensitivity
- 高信噪比  
High SNR

## 应用场景 | Applications

- 汽车环视后视  
Rear View Cameras and 360-Degree Surround View Systems
- 可视化监控  
Visual Cameras
- 可穿戴式相机  
Wearable Cameras



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