



SmartSens

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SC2135 Brief Datasheet

V1.0

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Applications

- Security surveillance systems
- IP Cameras
- Car driving recorders
- Sport cameras
- Home monitoring systems
- Video conferencing equipment

Feature

- Support single 2.8V power supply
- Built-in temperature sensor
- High sensitivity
- Support AEC
- 16x analog gain, 4x digital gain
- Horizontal and vertical windowing
- Horizontal mirror and vertical flip
- I2C interface register programming
- Low power consumption

Specifications

- Resolution: 2MP

- Pixel array: 1920H×1080V
- Pixel Size: 3.0μm×3.0μm
- Optical format: 1/2.7"
- Max Frame rate:
 - 1920H×1080V @30fps
- Output interface: 12-bit DVP parallel interface
- Output format: Raw RGB
- CRA: 15 °
- Sensitivity: 3800mV/Lux-s
- Dynamic range: 73dB
- SNR: 36dB
- Operation temperature range: -40 °C~+70 °C
- Best IQ temperature: -20 °C~+50 °C
- Power supply:
 - AVDD = 2.8V±5%
 - DVDD = 1.2V ±5% (support internal power supply)
 - DOVDD = (1.8~2.8)V±5%
- Package:
 - 48pin PLCC
 - 46pin CSP
- Package Size:
 - 11.43mm×11.43mm
 - 7170um×5480um