



**SmartSens**

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# **SC3035 Brief Datasheet**

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**V1.0**

**2016.9.8**

## Applications

- Security surveillance system
- IPC
- Car DVR
- Portable camera
- Video telephone and conferencing equipment
- Industrial system with environment
- Sports DV

## Feature

- High light sensitivity
- High dynamic range
- Support external frame control and multi-sensor synchronization(3D/VR)
- 16x analog gain,4x digital gain
- Horizontal and vertical windowing
- Horizontal mirror and vertical flip
- Support 2.8V single power supply
- Support temperature measurement
- Automatic black level control
- Ultra low standby current
- Programmable register with I<sup>2</sup>C interface
- Low power consumption

## Specifications

- Resolution: 3.6Mega
- Pixel array: 2304H×1536V
- Pixel Size: 2.2μm×2.2μm
- Optical format:1/3" (6.09mm)
- Max frame rate:
  - 2304H×1536V @30fps
- Output interface:
  - 12/10/8-bit DVP parallel interface
- Output format: RAW RGB
- CRA: 12°
- Sensitivity: 2400mV/Lux • S
- Dynamic range: 70dB
- SNR: 37dB
- Operation temperature range:-30° C~+80° C
- Best operation temperature range:-20° C~+50° C
- Power supply:
  - AVDD = 2.8V
  - DVDD = 1.5V (built-in regulator)
  - DOVDD = 1.8~2.8V
- Package: 48pin PLCC
- Package size: 11.43mm×11.43mm