

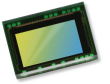
Applications

- Smart phones
- PC multimedia
- Tablets
- Digital Still Cameras
- Toys

Product Features

- support for image sizes: full size (1280x720), VGA (640x480), 2x2 RGB binning (640x360) and 2x2 BW binning (640x360)
- support for horizontal and vertical sub-sampling
- automatic black level calibration (ABLC)
- support for output formats: RAW output with MIPI
- defect pixel correction (DPC)
- support for black sun cancellation
- on-chip phase lock loop (PLL)
- standard SCCB interface
- capable of maintaining register values at software power down
- GPIO tri-state configurability and programmable polarity
- programmable controls for frame rate, mirror and flip, gain/exposure, and windowing

OV9734



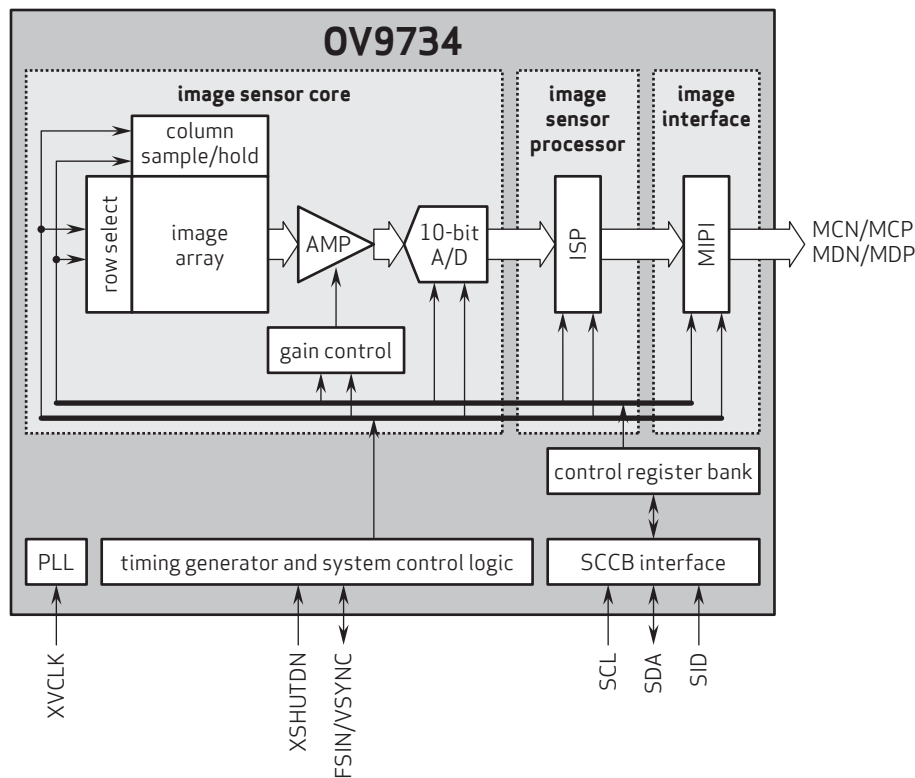
Ordering Information

- OV09734-H16A
(color, lead-free, 16-pin CSP5)

Product Specifications

- active array size: 1280 x 720
- input clock frequency: 6 - 27 MHz
- max S/N ratio: TBD
- power supply:
 - core: 1.2VDC $\pm 5\%$
 - analog: 2.6 - 3.0V (2.8V normal)
 - I/O: 1.8V
- dynamic range: TBD
- maximum image transfer rate: 30 fps
- power requirements:
 - I_{DD-A} : TBD
 - I_{DD-IO} : TBD
 - I_{DD-P} : TBD
 - XSHUTDOWN: TBD
- sensitivity: TBD
- scan mode: progressive
- maximum exposure interval: $798 \times t_{ROW}$
- temperature range:
 - operating: -30°C to +85°C junction temperature
 - stable image: 0°C to +50°C junction temperature
- pixel size: 1.4 $\mu m \times 1.4 \mu m$
- dark current: TBD
- image area: 1819.58 $\mu m \times 1033.34 \mu m$
- output formats: RAW RGB
- package dimensions: 2532 $\mu m \times 1722 \mu m$
- lens size: 1/9"
- lens chief ray angle: 32.1°

Functional Block Diagram



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