



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



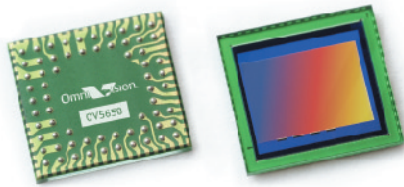
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# OV5650 5 megapixel product brief



available in  
a lead-free  
package

## DSC-Quality Imaging for High-Performance Mobile Phones

Introducing the OV5650, OmniVision's latest 5 megapixel imaging solution for mobile phones featuring 1.75  $\mu\text{m}$  OmniBSI™ (backside illumination) technology. OmniBSI technology delivers a number of performance improvements over front-side illumination (FSI) technology, including increased sensitivity per unit area, improved quantum efficiency, reduced crosstalk and photo response non-uniformity, which all lead to significant improvements in image quality.

Designed specifically to address consumer demand for digital still camera (DSC) quality imaging in a mobile phone, the OV5650 combines the industry's best low-light sensitivity at 1300 mV/(lux · sec) and a 2x improvement in (SNR10) signal-to-noise ratio (<70 lux), with the industry's lowest stack height – ideal for today's ultra-slim mobile phones.

The superior pixel performance of the 1/3.2 inch OV5650 enables high frame rate HD video at 60 frames per second (fps) with complete user control over formatting and output data transfer. The OV5650 supports a digital video parallel port or two-lane MIPI, and provides full-frame, windowed or scaled 10-bit images in RAW RGB format, and 256 bytes of available on-chip memory.

Automatic image control features and high frame rates for video encoding deliver vivid still and video images, even in the most challenging lighting conditions.

The OV5650 – simply the best 5 megapixel solution in its class. Find out more at [www.ovt.com](http://www.ovt.com).

