

ISG QuadHD Camera

- 8.3 Megapixel Video Frame Rate Camera
- World's highest resolution video camera



- Delivers 2160p, 2160i Video! 3840 x 2160 resolution
- 4 X HDTV , 30 frames/second progressive
- Extensive, Programmable Camera Color Image Processing, 12-bit image processing pipeline
- Electronic Iris Control allows the camera to adapt to a wide range of illumination conditions
- Camera supports an external Strobe input and output trigger via the External I/O Port
- Display interfaces for QuadHDTV (4x1920x1080, SMPTE292), and 4 x X VGA , Display I/F for 4 x DVI

ISG is developing other HD Camera technology at this time. Call for more details.

Custom Camera and Digital Imaging Design Services

The Imaging Solutions Group is a Camera/Imaging Engineering services firm that specializes in OEM product design and delivery. Custom camera and imaging designs can be designed quickly based upon our own image pipeline design. Image Algorithm development expertise and our DSP Programming, ASIC/FPGA design services ensure highly optimized solutions for your applications. Worldwide Fortune 500 customer base.

Consumer, Commercial, Industrial and Military =>

Whatever your industry the Imaging Solutions Group can help you succeed.
Let us design and manufacture your next product for you at low cost.

Our library of cores and design modules include:

Color Space Converter (RGB to YUV (YCbCr))

Enhanced Bayer Interpolator – with Edge Enhancement and Correction

High Performance JPEG Codec with Programmable Q Tables

JPEG Rate Control and Bandwidth Monitoring for Motion-JPEG

MPEG-2 and MPEG-4 Acceleration Components Dither / Screen / Error Diffusion

Color Balance

Bad Pixel Correction

Auto Exposure & Auto Focus

Digital Pan & Zoom

System interfaces including 1394 (a&b), USB2, Ethernet (&GigE) and CameraLink

ISG is an authorized design resource for **Eastman Kodak OLED Display Technology**

ISG is a **Xilinx Xperts Partner** for FPGA Design services.

ISG is a **Freescale Design Alliance Program Member** for ColdFire Processor & Ethernet Design.



ISG LightWise Intelligent Cameras

Custom Camera and Digital Imaging Design Services

Imaging Solutions Group
1387 Fairport Road, Suite 890
Fairport, NY 14450
Phone 585-388-5220 Fax 585-388-5223
Sales@isgchips.com <http://www.ISGCHIPS.com>