

Imaging Solutions Group



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. Consumer, 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.

The Imaging Solutions Group also manufactures and sells our own, LightWise, intelligent smart camera products. These cameras are very low cost and highly functional. They have on-board Image Buffers & FPGA's and embedded processors for easy customization. We offer the ability to embed your imaging system inside the camera. In many cases, eliminating the need for a PC Host and frame grabber.



LightWise Smart Camera Family => Very Low Cost, designed for OEM's.

Area Cameras:

LW-WVGA-G-1394 752 x 480, 6.0 micron pixel, 72 fps, Full Global Electronic Shutter (-M or -C)
LW-1.3-S-1394 1280 x 1024, 5.2 micron pixel, 30 fps, Synchronous shutter (-M or -C)
LW-1.3-G-1394-M 1280 x 1024, 6.7 micron pixel, 27 fps, Full Global Electronic Shutter (-M only)
LW-1.3-S-Eth-JPEG 1280 x 1024, 5.2 micron pixel, 30 fps, Synch Shutter, 10/100 +JPEG (-M or -C)
LW-3-S-1394-C 2048 x 1536, 3.2 micron pixel, 12 fps, Synchronous shutter (-C color only)

QuadHD

3840 x 2160, 7 micron pixel, 30 fps, COLOR or Monochrome

Highest Resolution Video Frame Rate Camera in the World.

Line Scan Cameras:

LW-ELIS-1024A-1394 1024 x 1 with 8 μ m x 125 μ m pixels, 10K lines per second, 10MHz
LW-SLIS-2048A-1394 2048 x 1 with 7 μ m x 7 μ m pixels, 28K lines per second, 60MHz

All Feature on-board Image Buffers. FPGA and processors. Other interfaces available upon request.

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