



Medical Device Design Services

The Intelligent Solution – the optimum product given your goals for time, cost, and performance

Fully ISO13485 Design Process compliant and IEC60601 3rd Edition Standards

All manufacturing is ISO13485 certified

OEM relationships with a *co-creative* approach

- **Customizable Smart Camera**

- LightWise Image Processor – superior image quality
- Modular Architecture enables flexibility and ease of reuse
- Processor and FPGA based for a robust foundation for customization
- Industry standard interfaces for true plug-and-play functionality
- Application Specific Image Processing and Algorithms
- Time-to-Market advantage by starting with our proven standard product
- Wide variety of supported sensors including Sony, CMOSIS, Truesense, ON Semiconductor
- Image optimization for host processing – custom metadata

- **Custom Imaging Systems**

- Standalone processing does not require a host PC
- Optimized for cost and performance using our comprehensive IP library
- Application specific hardware and form factors
- Application specific interfaces
- Linux based with ISG API allows customer provided software
- Customer specific Graphical User Interface
- Customer specified sensors and operating modes

- **Endoscope Imaging Systems**

- Image Sensor at the distal end is our specialty
- Disposable low cost endoscopes
- Separate digital processing unit
- LED lighting control
- Display Engineering – multiple types of simultaneous displays

- **Microscope and DNA / Fluorescence Imaging**

- Automated Inspection
- Large pixel sizes maximize objective field of view
- Focus algorithms

- **Surgical Imaging Systems**

- Multiple Remote Image Sensor Heads
- Color accuracy
- Display Engineering - multiple types of simultaneous displays