

# Computer Imaging Products

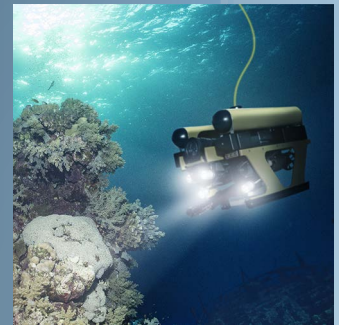
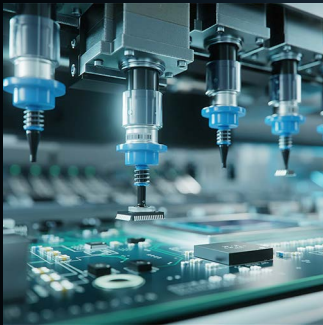
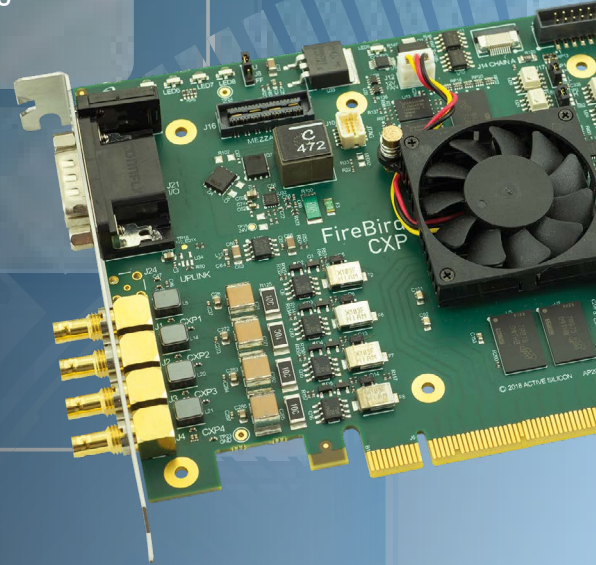
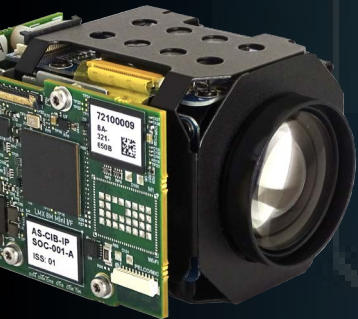
Imaging solutions for industrial, medical, defense, surveillance and automation applications



## Our Product Range

Active Silicon designs and manufactures advanced imaging products, embedded systems and custom solutions for a wide spectrum of applications.

- AF-Zoom Block Cameras and Board Cameras
- Camera Interface & Processor Boards
- CoaXPRESS and Camera Link Frame Grabbers
- Custom Embedded Systems and PCs



[www.activesilicon.com](http://www.activesilicon.com)

Providing advanced imaging products, embedded systems and solutions

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# ▷ Block and Board Cameras

- Light weight (from 26-470g)
- Low power consumption
- Fast autofocus
- Optical zoom up to 55x
- Full HD and 4K options
- Rolling and global shutter models
- Advanced camera functions
- Customization available

## Harrier AF-Zoom Block Cameras

A whole range of cameras and options guarantees flexibility

### ▷ Full HD cameras



### ▷ 4K cameras



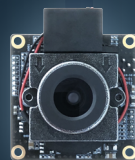
### ▷ Harrier camera interface technology extends the possibilities of LVDS block cameras



- Video output formats available: Ethernet IP, USB 3 (UVC), HDMI, 3G-SDI and MIPI CSI-2
- Output options available for Sony FCB-EV9500L and EV9520L, Tamron MP3010M-EV and Harrier AF-Zoom cameras
- Text and graphical overlays possible

## Oriole HD-SDI Board Cameras

- Switchable IR-cut filter
- 32mm x 32mm x 10mm (L x W x H)



- Global shutter sensor
- 3x optical zoom



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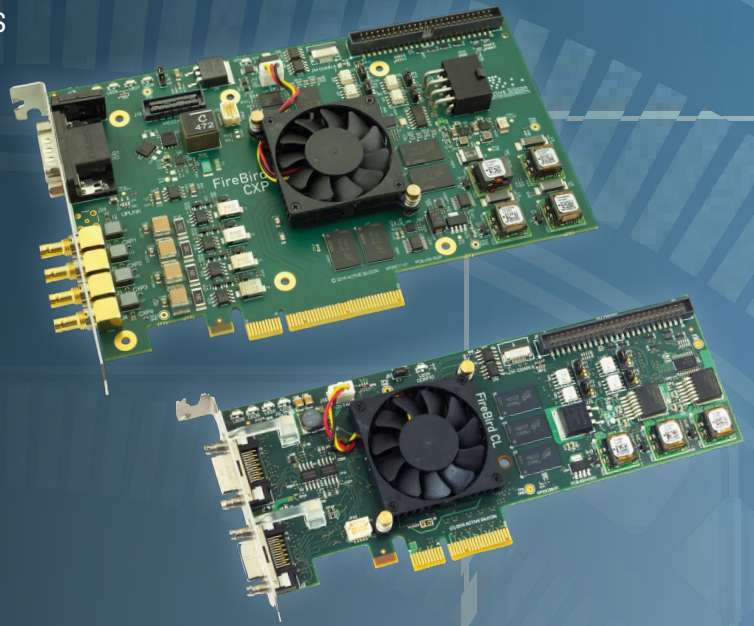


# FireBird Frame Grabbers

CoaXPRESS®

CAMERA LINK

- CoaXPRESS and Camera Link interface solutions
- High-speed acquisition in real time due to **ActiveDMA** technology
- No CPU overhead
- Fully **GenICam** compliant (GenTL Producer)
- GPU processing supported
- Variety of form factors available
- Windows, Linux and QNX supported
- Comprehensive I/O

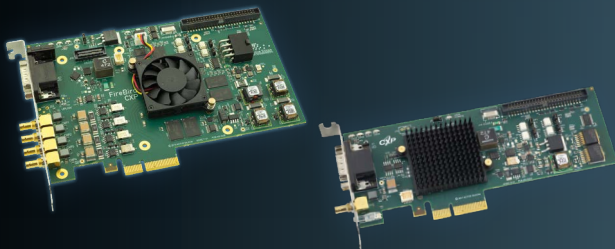


## Software Support



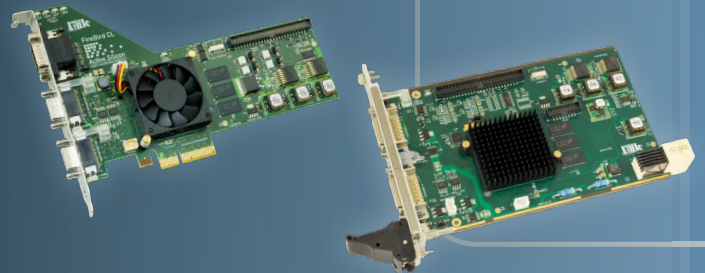
- ▶ FireBird cards are supported by Active Silicon's software development kit, **ActiveSDK** and our front-end software **ActiveCapture** provides camera and frame grabber control.

## CoaXPRESS Frame Grabbers

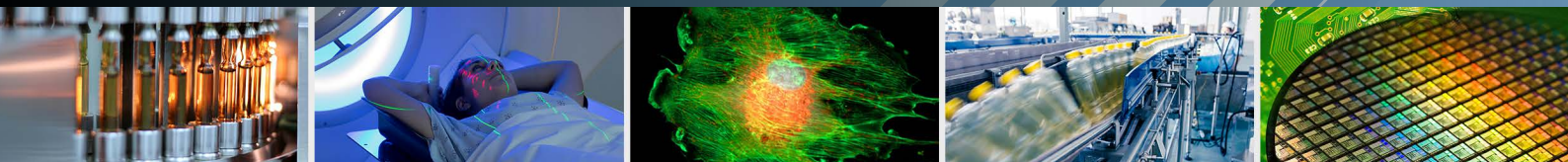


- Quad, Dual and Single CXP boards
- CXP-12 products (max 12.5 Gbps per connection)
- Precise triggering capability
- Long cable support
- CoaXPRESS-over-Fiber available

## Camera Link Frame Grabbers



- Base, Medium, Full and 80-bit configuration
- Support for Camera Link v2.1
- PoCL (Power over Camera Link)
- Full GenICam support for CLProtocol and GenCP cameras
- Embedded formats available e.g. cPCI Serial



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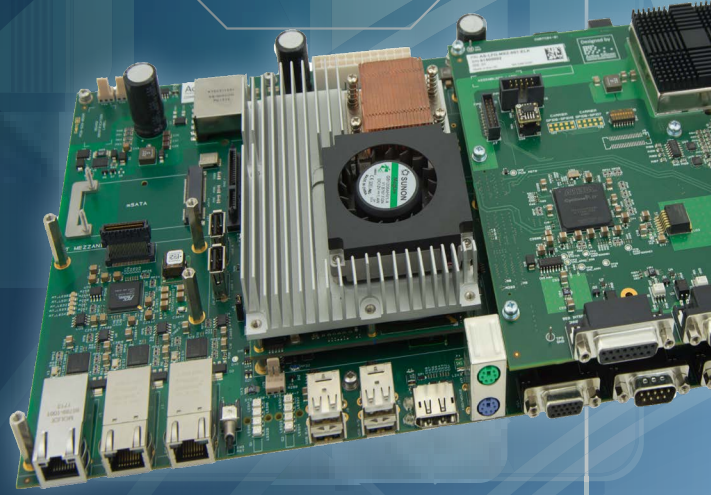
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# Custom Embedded Systems

Active Silicon designs and manufactures custom embedded systems for OEM applications such as medical devices, industrial automation, process control, security, transportation applications etc.

- Custom Embedded PCs and Control Units
- Expertise in integrating image acquisition technology
- Certified to quality and medical standards as required
- Retaining the same form, fit and function for many years



We will guide and manage your project through every stage

Evaluation + Plan



Design + Development



Prototype



Production

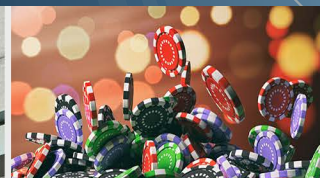
## Quality Assurance

Critical steps like R&D, system assembly, testing and supply chain management are all managed in-house to ensure high quality and reliability.



## Skills and Capabilities

- System / Hardware / FPGA design
- Software development and applications
- Fast turn-around prototyping
- Manufacturing with established partners



  
**Active Silicon**  
COMPUTER IMAGING PRODUCTS  
A SOLID STATE PLC GROUP COMPANY

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