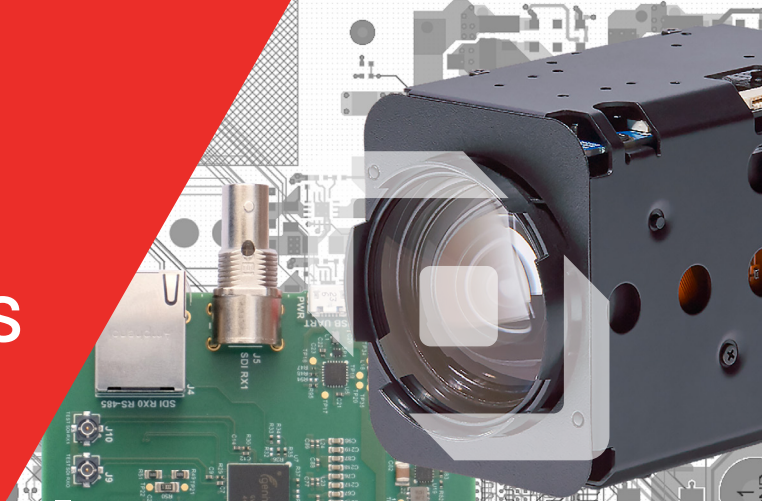


COMPUTER IMAGING PRODUCTS

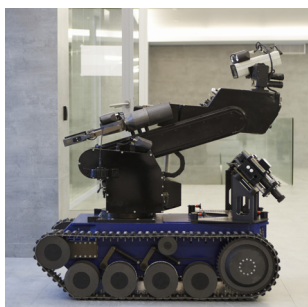
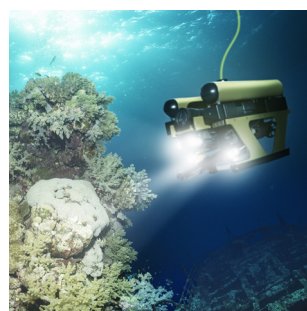
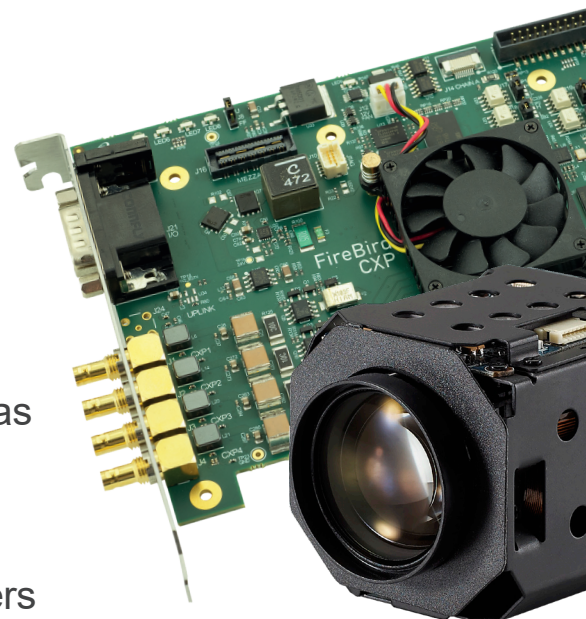
Imaging solutions for industrial,
medical, defense, surveillance
and automation applications



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 and Processor Boards
- Video Adapters
- CoaXPress and Camera Link Frame Grabbers
- Robust Machine Vision Computers
- Custom Embedded Systems



Block and Board Cameras

- Light weight (from 30g)
- 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 Boards

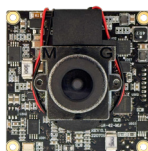
Extending the possibilities of LVDS block cameras



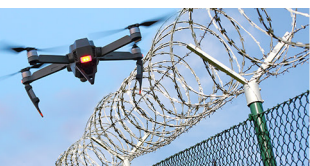
- Video output formats available: Ethernet IP (incl. Wi-Fi, PoE), USB 3 (UVC), HDMI, 3G-SDI and MIPI CSI-2
- Compatible with Sony FCB-EV9500L and EV9520L, Tamron MP3010M-EV and Harrier AF-Zoom cameras
- Up to 1080p60 output

Oriole SDI Board Cameras

- Switchable IR-cut filter
- 3G-SDI / HD-SDI
- Board: 42 x 42 x 1.2mm



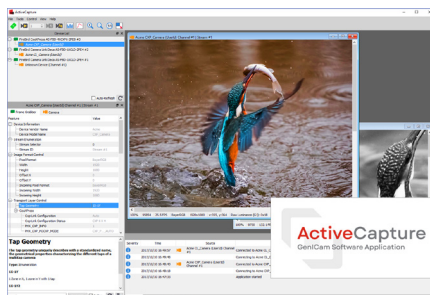
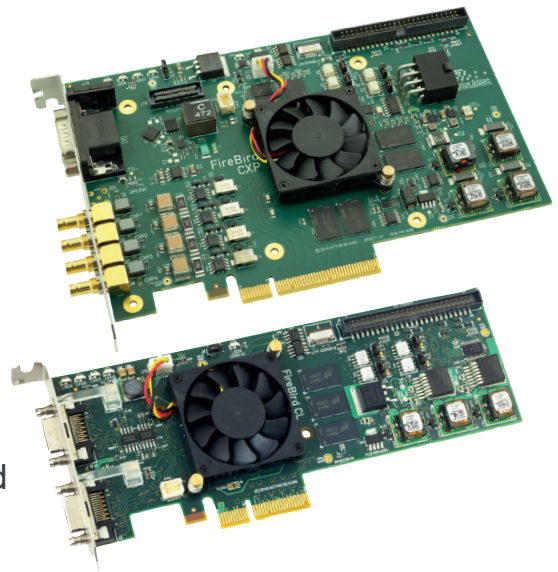
- Global shutter sensor
- 3x optical zoom
- Trigger capability



FireBird Frame Grabbers



- For CoaXPress and Camera Link cameras
- High-speed acquisition in real time due to ActiveDMA technology
- No CPU overhead
- Comprehensive I/O
- GenICam compliant (GenTL Producer)
- GPU processing supported
- Windows and Linux supported
- All common machine vision libraries supported



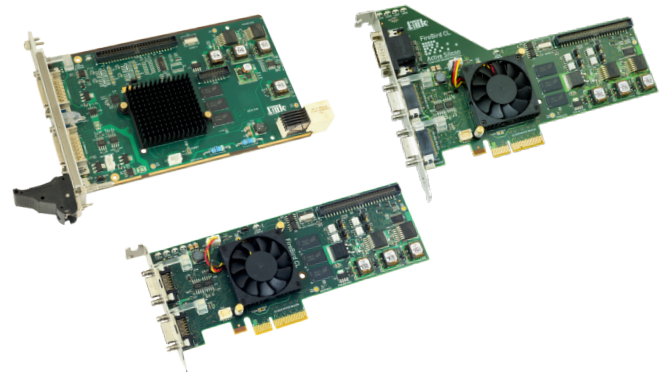
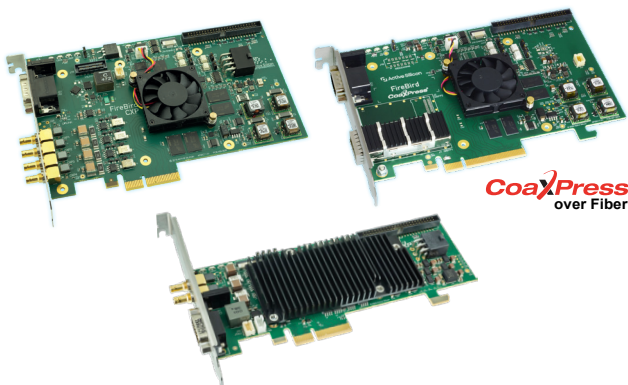
Software Support

FireBird cards are supported by **ActiveSDK**, Active Silicon's software development kit.

ActiveCapture, our front-end software, provides camera and frame grabber control.

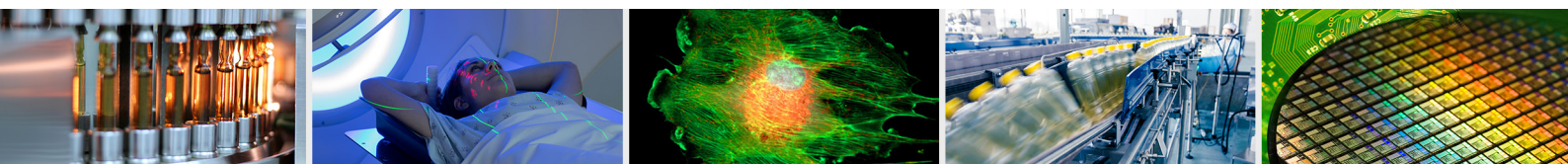
CoaXPress Frame Grabbers

Camera Link Frame Grabbers



- Quad, Dual and Single CXP boards
- CXP-12 products (up to 12.5 Gbps per connection); incl. CXP over Fiber (QSFP10)
- Precise triggering capability
- Cable support: <100m; over fiber: <10km
- PoCXP (Power over CoaXPress)

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



Embedded Systems

Oncilla Machine Vision Computer



- Industry-grade high-performance computer
- Integrated FireBird frame grabber
- Options for CoaXPress, CoaXPress over Fiber or Camera Link vision systems
- Configurable and modular (customization)
- Multiple expansion and extensive I/O
- Compact, robust and highly reliable
- Long product life for long-term supply

Custom Embedded System



- Rugged, custom COM Express carrier card
- Wide range of high-performance processors
- Any type of video acquisition
- Any standard PC interface
- Flexible extension options
- For system control, video processing etc.
- Same form, fit and function for many years

Our Custom Design Services

We will guide and manage your project at every stage, from planning and design to prototyping and final 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



MACHINE VISION COMPUTERS



CUSTOM EMBEDDED SYSTEMS

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