

ONCILLA

MACHINE VISION COMPUTERS

Rugged Industrial PCs for
Demanding Imaging Applications



High-Performance Industrial Computers

- Processor: Intel Core i7-12700TE (Intel 12th Gen Alder Lake-S processor)
- 16GB DDR5 SDRAM
- 256GB SSD Drive
- Multiple expansion options and extensive I/O
- Long product life (7+ years) for long-term supply
- Rugged design for harsh environments






With Integrated Frame Grabber

Image acquisition and processing in a rugged format for demanding applications.

- For high-speed / high-resolution image acquisition and processing
- Image acquisition without CPU usage
- Interface options: CoaXPress, CXP over Fiber and Camera Link
- Frame grabber fully integrated with driver, SDK and relevant software



Available interfaces

Interface	Features
	4 x CXP-12 connections Data rates up to 50 Gbits/s
	QSFP+ port for fiber optic cable Data rates up to 40 Gbits/s
	Base, Medium, Full and 80-bit Full GenICam support

Oncilla Machine Vision Computer - Mini

Compact Industrial PC

This rugged embedded computer is very compact, just 150 x 105 x 52.3 mm

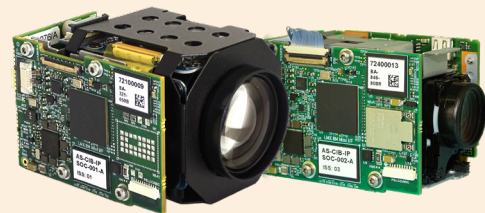
- Industrial-grade, fanless embedded PC
- Intel N97 processor (Alder Lake-N platform)
- Video interfaces: GigE and USB3
- Optional CMI modules for I/O expansion
- Compliant to MIL-STD-810H
- Robust regarding temperature, overcurrent and overvoltage
- Long product life (7+ years) for long-term supply



Oncilla Mini + Harrier AF-Zoom Camera

Combine the Oncilla Mini with a Harrier autofocus-zoom camera to provide a compact solution for UAVs, ROVs or remote monitoring.

We offer a wide range of block cameras with superior performance to provide optimum flexibility.



Our compact Harrier IP Ethernet cameras offer low-latency HD video.

Active Silicon - Your Imaging Expert

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

Contact us to discuss your project and requirements.

- Robust Machine Vision Computers
- CoaXPress and Camera Link Frame Grabbers
- Custom Embedded Systems
- Video Adapters
- Camera Interface and Processor Boards
- AF-Zoom Block Cameras and Board Cameras



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www.activesilicon.com

HEAD OFFICE
Active Silicon Ltd
1 Waterside Court
Waterside Drive
Langley SL3 6EZ, UK

Tel: +44 (0)1753 650600
info@activesilicon.com

NORTH AMERICA OFFICE
Active Silicon Inc.
479 Jumpers Hole Rd., Suite 301
Severna Park
MD 21146, USA

Tel: +1-410-696-7642
sales.us@activesilicon.com

