

PRESS RELEASE

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FOR IMMEDIATE RELEASE

Introducing the latest CoaXPress over Fiber Frame Grabber

[Active Silicon](#), the specialist manufacturer of imaging products, has released its latest FireBird acquisition card – the [4xCOF-12 frame grabber](#). It uses trusted CoaXPress FireBird technology and is designed to work with fiber optic cables.

Using fiber optics for high-speed imaging has significant benefits where long cable runs are required, or cameras are placed in harsh electrical environments. With the correct choice of cable and optical transceiver module, cameras can be placed kilometers from the frame grabber and the PC.

The [FireBird CoaXPress over Fiber 4xCOF-12 frame grabber](#) has a QSFP+ compliant port which acquires image data at a rate of up to 40Gbps. It features comprehensive I/O including I/O at the end panel and is fully GenICam compliant. Active Silicon's proprietary DMA Engine technology, "ActiveDMA" guarantees high-speed image data transfer with zero CPU intervention.

The CXP over Fiber frame grabber is also available with data forwarding functionality. Here, a second QSFP+ connector allows data forwarding (Aurora, CoaXPress over Fiber formats) for applications that need redundant processing solutions or where image processing needs to be split over multiple PCs.

For a complete vision system, engineers can consider the [Oncilla Machine Vision Computer – CoaXPress over Fiber](#). This rugged industrial PC has an integrated FireBird 4xCOF-12 frame grabber installed.

Find out more and view the full range of FireBird frame grabbers on the [Active Silicon website](#).



CoaxPress
over Fiber



This press image is available in our [image gallery](#).

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Links for online publication:

Active Silicon website: <https://www.activesilicon.com/>

Oncilla machine vision computers: <https://www.activesilicon.com/products/machine-vision-computers/>

About Active Silicon

Active Silicon, a Solid State plc group company, designs, manufactures and supplies imaging and embedded vision systems that enable the capture, processing, and transmission of image data in high performance and critical environments. World-class products include innovative embedded systems for IoT and related applications, pioneering autofocus-zoom cameras and high-speed image acquisition cards that support continuous real-time, high-resolution image capture. Established in 1988, Active Silicon has a longstanding, global customer base and Active Silicon's products have applications in many areas of industry, science, and technology - including advanced manufacturing, life sciences, robotics, medical imaging, security and defense.

For further details, visit www.activesilicon.com