



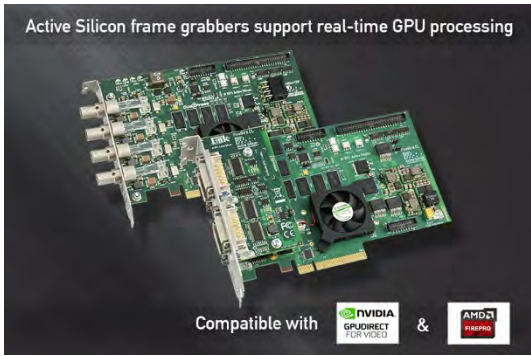
Welcome to the latest edition of Active Silicon's News Focus. We've compiled some of our most interesting recent news posts to keep you up to date with developments from us, and from the wider vision industry.



Active Silicon's AI series - part 4: Cloud-based FPGAs offer accelerated machine learning

FPGAs are one of the key technologies in the development of AI. While DNN training may still be best carried out on a GPU, FPGAs are offering unprecedented opportunities in allowing engineers to customize and revise their systems. New developments placing FPGAs in the cloud, and making them available to more common languages, will inevitably encourage wide adoption.

[Read more >](#)



Active Silicon supports real-time GPU processing

We are pleased to announce that all our frame grabbers are compatible with both **AMD's DirectGMA** and **NVIDIA's GPUDirect for Video**. Our well documented API and Software development kit (SDK) sample code allows for easy integration of parallel computing techniques on standard PC hardware. Have a look at our **GPU solutions page**.

[Read more >](#)



Industry 4.0: what does it mean for machine vision?

At a basic level, **Industrial Revolutions** change the way we make things. The **4th Industrial Revolution**, or Industry 4.0 is emerging as we write and moves us all towards increasingly automated and enhanced productivity. Image processing is playing a key role.

[Read more >](#)

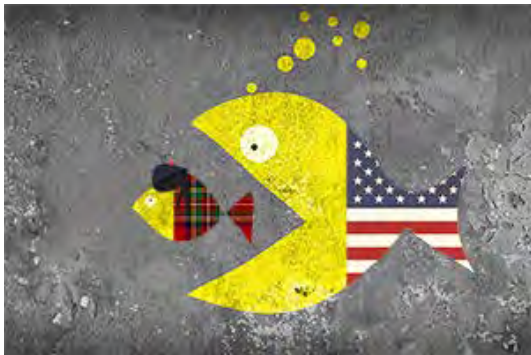


Active Silicon co-operates in exoplanet exploration

NASA regularly launches **scientific balloons** high up into the Earth's atmosphere to aid research on such fundamentals as the origins of our universe, cosmic rays, black holes and other planetary and space investigations. Active Silicon is proud to report that two of

our **Phoenix PC/104-plus frame grabbers** will be launched using one of these balloons as part for the acquisition system used in the exoplanet research project PICTURE-C.

[Read more >](#)



3D Time-of-flight camera specialist acquired by American corporation Rockwell Automation

Rockwell Automation, a major international player in the industrial automation sector announced the acquisition of the Scottish company Odos Imaging. Odos Imaging specialises in the development and manufacture of advanced cameras for science and industry with core technologies in 3D time-of-flight.

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Active Silicon is a leading manufacturer of imaging products, embedded systems and custom solutions. If you would like to stay informed of upcoming events, products and news in general, then please follow us on one of our social media channels below.



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