



## Invitation to meet Active Silicon at VISION 2016 - Booth 1H52

Visit us in Hall1 booth H52 where we will be presenting four different live demonstrations of our latest products. Plus there is also the opportunity to win an iPad!

Our GPU demonstration showcases the use of the graphics engine for parallel computing to accelerate image processing. Whether you use it for de-Bayering, image warping, augmented reality, or any number of other applications, the GPU approach can provide many benefits. Active Silicon frame grabbers support *GPUDirect for Video* technology, which provides for an easy integration process.

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## De-Bayer 2 Billion Colour Pixel per Second

De-Bayering, used to reconstruct a high quality colour image from a Bayer Filter Mosaic, is a computationally intensive process which is ideally suited to the power of the GPU.

**At our live demonstration we will showcase:**

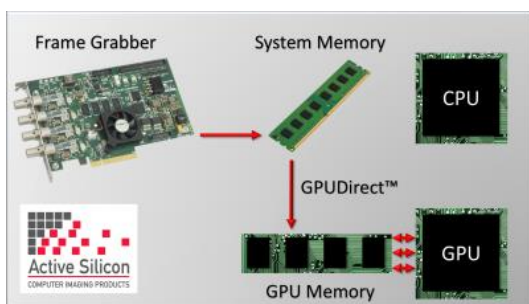


- **Our fastest frame grabber** - the [FireBird 4xCoaXPress](#) board acquiring at 25 Gbps!
- **A typical system in action** - Our frame grabber, a high resolution high speed camera and the NVIDIA Quadro™ card including

*GPUDirect for Video* and Active Silicon's API and SDK sample code.

- **Superfast de-Bayer** - Capture 25MP, 80FPS...2GBytes/sec!

NVIDIA *GPUDirect for Video* optimises image data transfer to and from the GPU. Read more at [NVIDIA](#).



Using NVIDIA's Quadro™ GPU cards, video frames are transferred directly from the frame grabber to the card's memory.

With our easy to use SDK, we manage the access to *GPUDirect for Video* and synchronize the data transfer between frame grabber and GPU memory.

Frame grabbers, cameras and GPU cards used in these demonstrations are easy to integrate and well tested as a system. Could this form the basis of your next application? We look forward to hearing about your requirements and to discuss how we can help - [Feel free to contact us for advice!](#)

For more information on our Frame Grabbers visit our dedicated [Product Pages](#). If you would like to know more about on the advantages of parallel computing in imaging and Active Silicon's support for *NVIDIA GPUDirect for Video* see our [GPUDirect page](#).

**We look forward to welcoming you to our booth!**

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**VISIT OUR BOOTH AND ENTER THE DRAW TO WIN AN iPad!**

Place your business card in our Active Silicon Prize Box for a chance to win in our prize draw.

Terms & Conditions: Entry to the competition is restricted to one entry per person. The competition is open to anyone except Active Silicon employees or related parties. The winner will be chosen by a random draw at the end of the show and will be contacted by email. The judge's decision will be final. The competition will close at the end of the show, the winner will be contacted within 28

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**FURTHER DEMOS AT OUR BOOTH 1H52:**

- 1) Our latest COM Express Embedded Vision Unit supporting multiple USB 3.0 cameras.
  - 2) Fast parallel image acquisition from four different asynchronous cameras.
  - 3) Our new 3U CompactPCI Serial Camera Link frame grabber in action.
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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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