

Press Release

Xylostream Launches real time HEVC encoder designed for Ultra HD

Xylostream Technology, the leading Ultra HD compression company, has announced the launch of its Excel 4000 real time HEVC encoder for Ultra HD at NAB in Las Vegas.

The company has been focused on HEVC for Ultra HD since its formation in early 2013. The latest product, the Excel 4000, is the first encoder designed for the extremes of Ultra HD including frame rates of up to 60fps and 10-bit colour depth. This demanding requirement means encoders need to process raw data rates of up to 10 times that of HD and with the additional complexity of HEVC, a total of 50 – 100 times of the overall processing of today's H.264 HD encoders - a considerable challenge for any compression vendor. To overcome that challenge Xylostream has taken a new approach to real time encoder architecture.

Xylostream is the first company to apply advances in high performance computing (HPC) technology in the broadcast industry. By using highly parallelised dataflow computing techniques, Xylostream is able to benefit from the proven compression power of in-hardware processing while maintaining the speed and flexibility of software. For TV operators this delivers early, full performance Ultra HD encoding with the ability to add in new features and higher performance as Ultra HD and HEVC develops. In addition, as HPC is already widely deployed across a range of industries from oil exploration to genomics to high frequency trading in finance, the broadcast industry can benefit from future R & D initiatives across multiple sectors.

“By taking the dataflow computing approach we have been able to rapidly deploy our sophisticated HEVC encoding algorithms in hardware with the necessary processing power to deliver excellent video quality” commented Graham Cradock, Xylostream's CEO.

For a full demonstration of Ultra HD as it's meant to be, visit Xylostream Technology on the General Dynamics Mediaware booth, SU10104 at NAB 2014.

Notes To Editors

Xylostream Technology is a leader in HEVC compression focused on enabling high quality Ultra HD television through the delivery of real time, high performance encoders.

The company was established in the United Kingdom at the beginning of 2013 by broadcast industry professionals with broad experience in R&D, product development, marketing, sales and delivery across a wide range of businesses, including the compression space. The company is based at the Southampton University Science Park and is supported by the SetSquared university business incubator.

Xylostream is committed to insuring that Ultra HD is a stunning consumer experience that becomes a must have service for all leading broadcasters. In short, delivering Ultra HD as it's meant to be.

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