

Intopix Announces Availability Of TICO IP-Cores Supporting UHDTV1 And 4K Up To 60 Fps In 4:4:4 Color Space With A Low Cost FPGA Footprint.

Amsterdam, The Netherlands, ISE, Booth 2A51, 3rd of February 2016 — intoPIX today announces new TICO FPGA IP-cores for 4:4:4 color space, UHDTV1 and 4K. The IABM award-winning video compression offers now unparalleled features and unique performances for handling HD, 4K with full 8, 10 or 12-bit in 4:2:2 and 4:4:4 color spaces for fantastic image clarity with a light implementation cost and low latency compression.

The support of 4K/UltraHD up to 60p video formats as specified by HDMI2.0 or DP1.2 in the intoPIX TICO FPGA IP-cores enables the industry to build unrivalled and high performance video over IP products to manage and transport 4K over cost effective 10GbE IP networks and other limited existing or legacy interfaces.

TICO lightweight compression offers a true visually lossless compression at 4:1 compression, with no impact on latency – only few lines of pixels – and high performances on CPU, FPGA or ASIC. Low cost and Low latency when implemented in FPGA, ASIC or even CPU, this compression technology (submitted as RDD at SMPTE) is today the most flexible choice for light visually lossless compression of any kind of content.

“The release of the TICO 4:4:4 cores represent a real breakthrough, delivering cost-effective high frame rate 4K at up to 60p and 4:4:4 to the Pro-AV industry. Upon release, TICO cores have already been integrated into top of the line product offerings from key players of the industry, which is a huge testament to its performance and reliability,” said Jean-Baptiste Lorent, Product & Marketing Manager, intoPIX. “TICO delivers a vast range of cutting-edge features: it is more than a codec, it is a tool replacing uncompressed video to offer more.”

New TICO UHD4K 4:4:4 IP-cores Features Include:

- Supports 4K and UltraHD at frame rates up to 60p
- Supports 4:2:2 and 4:4:4 workflows up to 12bit
- Smallest Altera / Xilinx FPGA footprint (no external DDR)
- Best quality up to 4:1 compression (from Mathematically lossless to Visually Lossless)
- Few pixel lines of latency

Availability

TICO 4:4:4 IP cores for HD only and UHD4K are now available to manufacturers. For more information about intoPIX products, please visit www.intopix.com.

About intoPIX SA

intoPIX is a leading supplier of image compression technology to audiovisual equipment manufacturers. We are passionate about offering people a higher quality image experience and have developed FPGA IP-cores and software tools that enable leading-edge TICO Lightweight compression, JPEG 2000 compression, security, video over IP and hardware enforcement. More information on our company, customers and products can be found on www.intopix.com.

