

intoPIX Unveils Latest JPEG XS FPGA Cores with Nextera-Adeas ST2110/IPMX, Streamlining IPMX Development at NAB Show

Mont-Saint-Guibert, Belgium, April 12, 2024 - [intoPIX](#), a pioneering provider of lightweight compression solutions, is thrilled to announce its collaboration with Nextera Video and Adeas showcasing the latest iteration of its groundbreaking JPEG XS solutions tailored for ST2110 and IPMX. This demonstration will feature integration with Nextera-Adeas' industry-leading FPGA IP cores for ST2110/IPMX, set to take place at the upcoming [NAB Show](#) in Las Vegas.

The new release of the [intoPIX JPEG XS](#) subsystem IP core uses the most advanced JPEG XS codec, including the extended JPEG XS High profile and the new TDC profile for flawless imaging, offering up to twice the compression efficiency. The intoPIX subsystem IP cores feature [TicoXS FIP](#) core, also includes its RTP packetization, with optional AES encryption of low-latency high-quality JPEG XS video streams and directly interfacing with the Nextera-Adeas ST2110/IPMX solutions.

"The Nextera-Adeas solution integrated with intoPIX JPEG XS provides everything needed to help OEM's IPMX-Enable their new or existing products quickly and easily," said Jed Deame, CEO of Nextera Video. In addition to FPGA IP cores and NMOS control software, the complete solution includes reference designs containing all software, drivers and daemons, a simple control API, and an intuitive web GUI. Design services are also available to help customers with resource limitations get their products to market quickly.



Combining intoPIX JPEG XS with Nextera-Adeas ST2110/IPMX yields an unrivaled solution, boasting full JT-NM Tested badges for unmatched interoperability confidence. Beyond accommodating diverse resolutions and video formats, it enhances bandwidth efficiency, maintains zero latency, and optimizes FPGA footprint, delivering an unparalleled user experience. *"This initiative promises speed-up JPEG XS integration significantly, delivering enhanced efficiency and performance to our valued customers,"* explains [Jean-Baptiste Lorent](#), Marketing and Sales Director at intoPIX.

The joint reference design was rigorously tested alongside multi-vendor IPMX products in Munich recently, demonstrating interoperability features between multi-vendor transmitters and receivers. The successful testing event marked the official transition of the key IPMX documents from draft to finalized specifications.

"We're excited to announce this reference design integrating their latest TicoXS FIP cores, supporting both the JPEG XS High420.12 profile and JPEG XS TDC profile, alongside our ST2110/IPMX cores," explained Antoine Wijlaars, Managing Director of Adeas. *"This design demonstrates seamless 4Kp60 transmission over 1G with minimal latency, a key feature of IPMX."*

intoPIX, Nextera and Adeas will be showcasing their joint reference design running on Altera and AMD FPGAs at [NAB2024](#). For more information, visit intoPIX (C6025) and Nextera Video (C3552) booths.

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About intoPIX

intoPIX creates and licenses innovative image processing and compression solutions. We deliver unique IP cores and efficient software solutions to manage more pixels, preserve quality with no latency, save cost & power, and simplify storage and connectivity. We are passionate about offering people a higher-quality image experience. Our solutions open the way to new imaging workflows and new devices, reducing costs in HD, 4K, or even 8K, replacing uncompressed video, and always preserving the lowest latency with the highest quality. www.intopix.com

About Adeas

Adeas is an independent design house and specialist in IP-cores for “media over IP” solutions. We license our IP-cores and develop customer-specific firmware, modules, boards and (sub-)systems for customers in the broadcast and pro AV industry helping them get high-quality products to the market faster and cheaper.

www.adeas.nl

About Nextera Video

Nextera Video’s mission is to help equipment manufacturers IP-enable their products quickly and easily. We specialize in the education and development of NMOS software solutions to enable control interoperability via familiar controllers with plug-and-play functionality. We also provide sales and customer support services for the combined Adeas/Nextera solution.

www.nexteravideo.com

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