# intoPIX Unveils Enhanced JPEG XS Codec and IPMX / SMPTE ST 2110 Solutions Enabling 4K & 8K Video for OEMs and Developers

**Orlando, 09 June 2025** - intoPIX, the leader in lightweight, low-latency compression, is unveiling major advancements to its JPEG XS codec lineup and IPMX/SMPTE ST 2110 offerings. These innovations enable OEMs and developers to deliver flawless 4K and 8K video experiences over standard IP networks, combining ultra-low latency with minimal system complexity.

**JPEG XS: TicoXS & TicoXS FIP Optimized for 4K & 8K – Across FPGA, CPU, GPU & ARM.**

At the heart of intoPIX's innovation is its JPEG XS codec, now available with enhanced profiles and development tools:



- **New TDC Profile:** Offers visually lossless quality with superior efficiency—ideal for 4K/8K AV-over-IP and live production environments.
- **New Proxy Mode:** Enables ultra-light JPEG XS proxy streams with zero latency, perfect for multi-resolution workflows and instant previews.

intoPIX offers full support for 4K, 8K, and beyond with its comprehensive range of codec implementations:

- **FPGA IP cores**, for AMD and Altera FPGAs, including new performances on Agilex 7 and 5 families.
- **CPU SDKs** for **x86** and **ARM** with various developer plugins and OS support.
- **GPU-accelerated SDKs** leveraging NVIDIA and other platforms

These implementations are designed to maximize performance and minimize latency, supporting real-time encoding/decoding of 4K/8K streams with unmatched quality and speed.

**Titanium SDK & EDK: Streamlining IPMX / SMPTE ST 2110 Integration**

To ease adoption of IP-based video workflows, intoPIX introduces:

- **TitaniumSDK**: A cross-platform software development kit for JPEG XS over IP, supporting IPMX Source and Sink roles, with NMOS. Ideal for software-defined products and applications in AV-over-IP, broadcast, medical, and industrial fields. It supports real-time HD/4K/8K streaming with the lowest latency on the market.
- **TitaniumEDK**: A dedicated Embedded Development Kit featuring an integrated FPGA SoC designs for camera makers and encoder/decoder manufacturers. Built for ST 2110, IPMX, NMOS environments.

These tools offer a complete development path from edge devices to high-end media systems, ensuring full compatibility with the latest open IP standards.

*"With our expanded JPEG XS codec and IPMX-ready solutions, we empower OEMs and developers to create future-proof IP-based products, from cameras, to gateways, to software applications,"* explains Jean-Baptiste Lorent, Head of ProAV Group, intoPIX.

**Meet intoPIX at InfoComm 2025**

intoPIX will showcase these technologies at infoComm, booth #2761. Evaluation kits are now available for qualified partners.

**About intoPIX**
intoPIX develops cutting-edge compression and IP connectivity technologies for OEMs, developers, and Pro AV integrators. Their IP cores and software solutions enable low-latency, high-quality video over IP networks, replacing uncompressed video to reduce bandwidth, cabling, and power requirements. Trusted across the Pro AV industry, intoPIX empowers more efficient 4K/8K AV systems and drives the shift toward flexible and innovative AV-over-IP workflows.
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