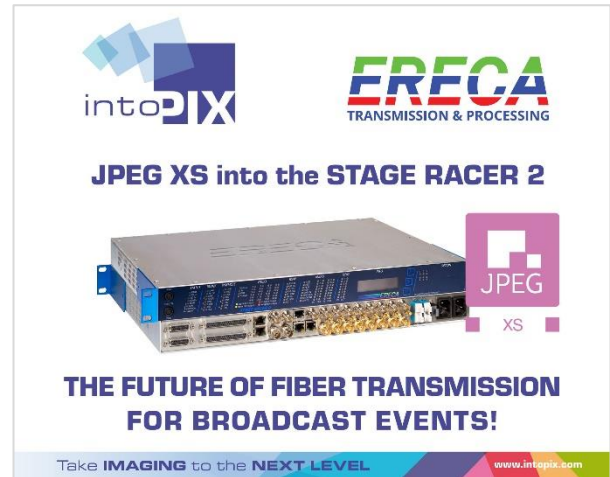


# Introducing STAGE RACER 2 with intoPIX JPEG XS: The Future of Fiber Transmission for Broadcast Events

**JPEG XS enables seamless full remote production with zero latency and preserved video quality while optimizing bandwidth efficiency**

**Mont-Saint-Guibert, Belgium, April 4, 2023** – [intoPIX](#) and [ERECA](#) have joined forces to introduce a groundbreaking addition to the broadcast industry: the integration of the ultra-low latency [JPEG XS](#) codec into the ERECA Stage Racer 2, a complete optical fiber transmission solution for all types of broadcast events.

*“intoPIX is proud to collaborate with ERECA to deliver a superior transmission solution for broadcast events, ranging from simple OB interconnect to complex topologies spread over an entire TV compound. The integration of the advanced JPEG XS codec into the ERECA Stage Racer 2 allows for optimized bandwidth usage, zero delay, and preserved video quality, enabling full remote production with unparalleled speed and efficiency,”* enthuses [Jean-Baptiste Lorent](#), Marketing and Sales Director at intoPIX.



The Stage Racer 2 supports long-distance transmission for remote production capacity allowing content exchange between distant locations while using dark fiber or SMPTE IP protocols. Stage Racer 2 is designed to accept all kinds of signals on a single device without an external adapter. Internally those signals can be associated together / routed/distributed to all other machines in the network.

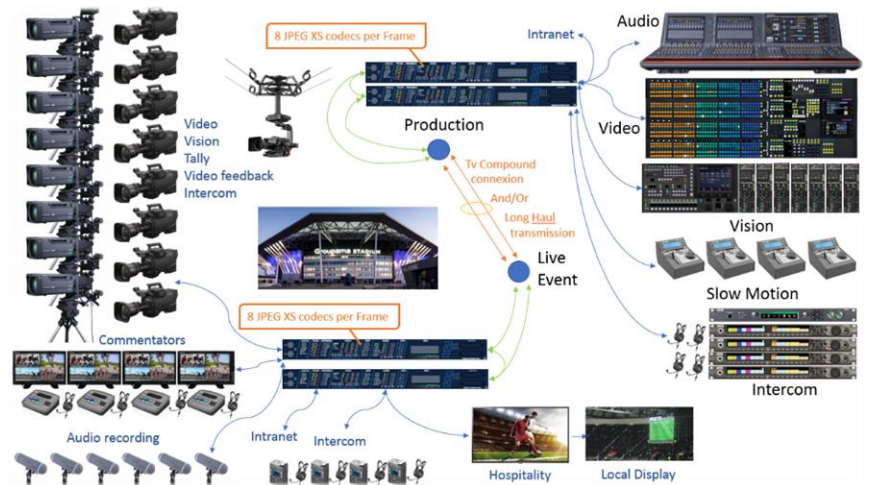
JPEG XS codecs allow to optimize the available bandwidth without any visual effects on the video quality.

- Up to 24 SDI (16x3G + 8x12G) on 1RU – JPEG XS codecs on 12G-SDI Ports (x8)
- Genlock, Ethernet, Audio mic/line, AES, MADI, RS, GPIO, Dante / AES-67
- Meshed topology with reduced latency (few  $\mu$ s per equipment)
- Standard 10km QSFP, 40km available
- Audio-video processing (Embedding, De-embedding, Audio shuffling, SRC on all in/out, Frame sync and delays, Embedded Multiviewer)

Each Stage Racer 2 includes up to 8 JPEG XS codecs which can be activated through a licensed firmware version.

JPEG XS Codecs offer the possibility to decrease the required bandwidth for SDI streams and to keep a low latency in order to manage local and also remote production through 10Gb OTN Telco interfaces.

The ultra-low latency achieved allows doing full remote production, including real-time return feeds with no noticeable delay between direct sight and locally displayed studio-processed streams.



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- Transmission capability on 10Gb OTN ( Up to 5x bidi 12G-SDI on a 10Gb Link with Tico XS)
- Low latency and video quality preserved even with compression rates such as 8:1
- Manage many video formats from HD-SDI to 12G SDI (3840x2160 @ 60 Hz)

For more information about intoPIX JPEG XS solutions, [book a meeting](#) with their team during [NAB2023 \(C6335\)](#) in Las Vegas, from April 16 to 19.

### 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.

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### About ERECA

**ERECA** Designs and Manufactures optical fiber transmission equipment for the live production needs of the broadcast industry. **We specialize** in the transmission and/or processing of a wide range of broadcast signals within a single 1U frame. Supported signals include SDI up to 12G, Gbit Ethernet, Madi, Dante, AES and Analog Audio, Serial Data, GPIO and Genlock. **Our product portfolio** ranges from the STAGE RACER 2, a meshed topology transmission system with many advanced processing features, the STAGE RACER peer-to-peer transmission unit, the CAM RACER series of Fiber Camera Backs supporting cameras up to 8K and finally the Topas series for broadcast PTZ cameras up to 4K.

<https://ereca.fr/products/broadcast/>

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