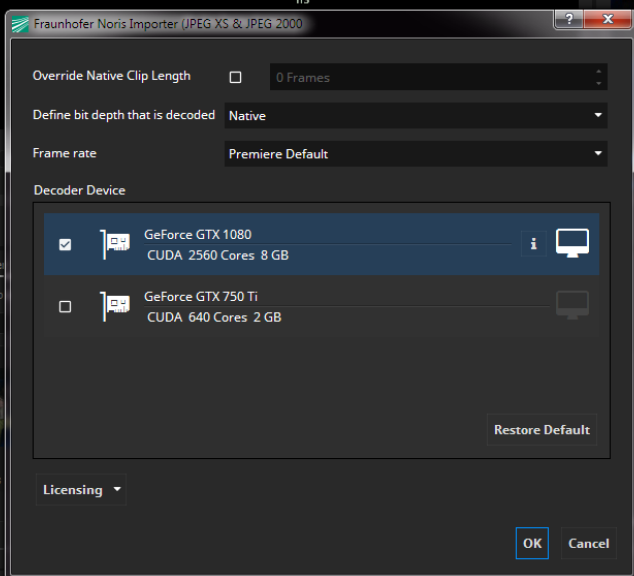


FRAUNHOFER INSTITUTE FOR
INTEGRATED CIRCUITS IIS

JPEG XS SDK

IMAGE CODING FOR VIDEO OVER IP IN PRODUCTION QUALITY



JPEG XS is a new codec for IP workflows in studio environments, for local video networks and for VR/AR applications which allows transferring high-resolution video data over standard Ethernet or other wired connections. The codec is a mezzanine compression codec which works with limited computing resources.

The Fraunhofer IIS JPEG XS development can be used for lowest complexity and platform-independency applications at compression ratios from 2:1 to 10:1.

First JPEG XS codec implementation for video production in a software-plugin for Adobe® Premiere® Pro CC with real-time playback capability of 4k60p UHD video.

- JPEG-XS codec for streaming up to 8k resolution video in professional studio environment
- Integration in SMPTE 2110
- Low Latency (32 lines end-to-end)
- RGB/YCbCr 444 and 422 up to 12 Bit per component

SDK available for Windows and Linux

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