

JPEG-XS Encode/Decode Apps



Riedel's JPEG-XS Encode/Decode App suite can be used with MuoN SFP or FusioN standalone hardware. The solution is perfect for remote production or internal distribution applications, where signals must be exchanged across narrow bandwidth networks. The JPEG-XS App can encode any HD/3G/UHD SDI or ST2110 stream set into JPEG-XS transported via ST2110-22. The solution is also available as a decoder from JPEG-XS to SDI or ST2110.

The CODEC (ISO/IEC 21122-3) process provides compression rates ranging from 4:1 to 12:1 and features ultra-low latency coding/decoding and near lossless picture quality. Based on wavelet intra-frame technology, this low-weight algorithm uses only few lines encode/decode the video in a very constant bit-rate, which makes it very efficient with large size UHD images. The solution is compatible with other JPEG-XS using the "High Profile" implementation.

Features:

- Dual channel encode or decode
- Selectable from 50 to 2000Mbps bitrates
- IP native encoding ST2110-22
- YUV - 4:2:2 - 10 Bits
- Support of HD, 3G and UHD formats
- Typical processing delay of 10 lines at encode and 10 lines at decode
- Also includes ST2110 gateway
- ST2022-7 Class A
- Interoperates with other JPEG-XS CODECS
- Simple RESTful API for third party control system
- Available with Ember+ control API

Benefits

- Allows exchange of UHD/3G/HD signals through a 1GE MPLS network without impacting the quality of the image and live operation
- High density, low weight and power

Ordering Info:

These Apps can be installed on MuoN B10 SFP, FusioN 6B or FusioN 3B standalone hardware. It is important to properly match the direction of the I/O with the corresponding software to obtain the desired result. Tailor your own solution – use the online configurator!