

The XP4000 Video Player – Square One for Ultra HD



Begin your Ultra HD journey with a pristine quality video source

If you're considering launching Ultra HD services and are setting up a UHD/4K test facility, then your starting point needs to be a reliable player of Ultra HD baseband video.

The Xylostream XP4000 delivers Ultra HD baseband video

Whether it's presenting the potential of Ultra HD, comparing encoder performance or setting up an end to end trial, the XP4000 provides a straightforward, low cost solution that meets your requirements. It can be used in a broad range of applications where a source of pristine uncompressed reference material is required, such as:

- Laboratory use for broadcast equipment development. The XP4000 enables baseband Ultra HD video to be used in the laboratory in a cost effective way, leveraging Xylostream's experience in building Ultra HD test systems.
- As a test source for operators evaluating encoders or other broadcast equipment. Here the XP4000 can be used to enable operators to carry out side by side tests of competing encoders to make sure that the best encoder for the application is selected.
- Playout source for initial test services and trial channels. Get your Ultra HD test channel on air fast using the XP4000 as the video source.
- On screen playback for review of content quality and for visual inspection of recorded material
- Playout where desire for pristine video quality requires uncompressed video. If you need the best possible video quality for your event or demonstration use the XP4000 to deliver uncompressed video.

As well as all the standard and trick playback modes, the XP4000 features fully customisable playlists that can be modified at the click of a button. Each asset in the playlist can be manually adjusted to run between set 'in' and 'out' points whilst continually looping through the playlist sequence.

Optional additional features for your XP4000 include:

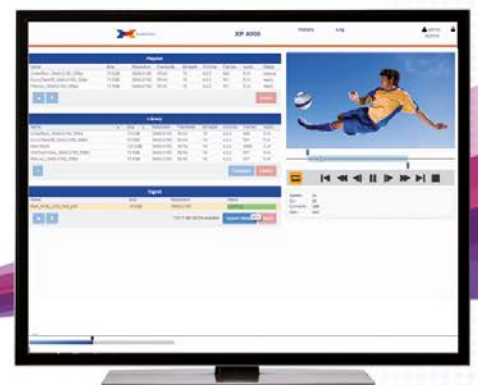
- Logo insertion
- Video Compare function allowing the playback of two files in various "side by side" split screen presentation views

Product Highlights

- **Playout over 4 x 3G-SDI as 4:2:2 at up to 60fps at 10 bit.**
- **File ingest through simple file transfer over Ethernet or via USB port**
- **Support for multiple input formats with conversion to standard playout format**
- **Intuitive GUI provides standard playback controls and allows creation of playlist from multiple assets**
- **Capacity up to 25 mins of 4:2:2 UHD at p60 or >2 hours of 4:2:0 UHD at p30**



Ultra HD as it's meant to be



Xylostream XP4000 Ultra HD Video Player



Key Benefits

Low cost baseband video player supporting Ultra HD

- Cost-effective and straightforward route to live testing of Ultra HD video
- Don't waste engineering time creating a home grown solution

Supports all the variants you want to test

- Frame rates up to p60, 8 and 10 bit, 4:2:2 output
- Store in 4:2:0 or 4:2:2 formats, 8 or 10-bit for maximising storage capacity
- Support for Ultra HD and upscaling from HD to Ultra HD to enable re-use of existing HD assets
- Up to 8 stereo pairs of embedded audio, useful for testing next generation multichannel and object sound

Very simple to operate

- Intuitive GUI allows full control and customisation of playlist, including in / out point setting for each asset and continuous full playlist looping
- Ingest each asset independently from USB or networked storage using the ingest wizard
- Set up ingest queue whilst playback running

Optional Functionality

Get more from your XP4000 with the following optional add-ons:

- Logo Insertion: brand your demos and video presentations with custom logos and images
- Support for additional audio up to 8 stereo pairs
- Split screen comparison of 2 assets, typically used for comparing compressed vs uncompressed or for comparing two different encoders

XP4000 Video Player Specification

INPUT

Ingest	File transfer over GbE or USB (GUI based)
File Formats	Prores (including uncompressed Mov), MPEG-2, MPEG-4 AVC / H.264, HEVC / H.265, DPX, YUV All file formats converted to common playback format in 4:2:0 or 4:2:2 (selectable)
Audio formats	LPCM, MPEG-1 LII, AAC

CONTROL

User Interface	Intuitive GUI including video confidence monitor Auto-play of last playlist on boot Continuous playback loop
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PROCESSING

Storage	6 x 500 GB providing playout for approx. 25 mins 4:2:2 UHD@p60 10-bit
Logo Insertion	Optional Logo Insertion functionality

OUTPUT

Video Output	4 x 3G-SDI (SMPTE 424M/425M) Level A and B 4:2:2 Output Ultra HD resolution 3840 x 2160p @ 24, 25, 29.97, 30, 50, 59.94, 60 fps Optional Genlock
Audio Output	Stereo pair embedded in 3G-SDI Optional additional audio up to 8 stereo pairs

POWER, PHYSICAL, ENVIRONMENTAL

Input Voltage	100-240VAC, 50/60 Hz Redundant hot swappable power supplies
Physical	1RU x 19" Front to back airflow

Contact us to find out more about Ultra HD:

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