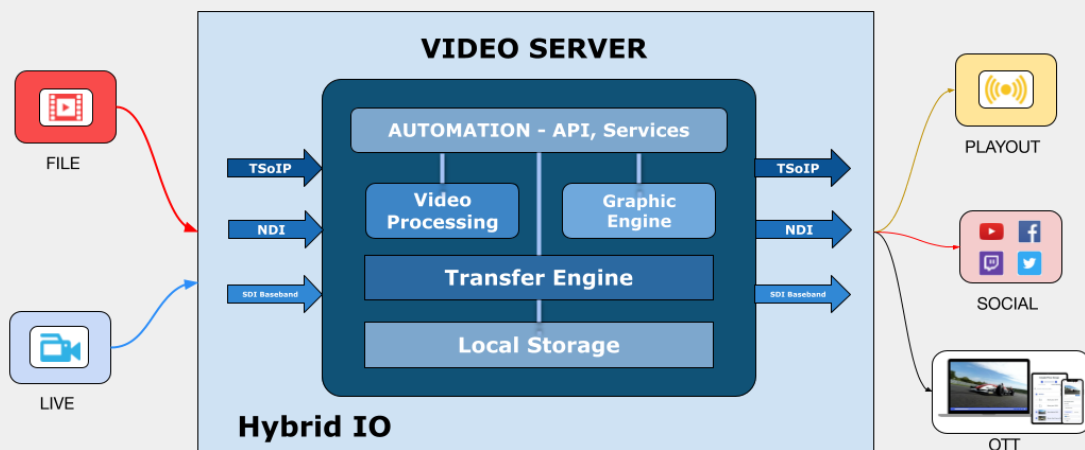


Ultra-X ViS

3G/HD Video Server

The **Ultra-X ViS** is a new generation of play-out system, which combines the Channel-In-A-Box playout functions, tailored for channel origination and manipulation, with a premium quality software codec. With its advanced graphics, sophisticated built-in automation core, integrated asset manager. **Ultra-X ViS** is a cost-effective solution for MPEG-2, MPEG-4, and HEVC video playout or in the cloud, enabling broadcasters to move away from complex and expensive multi-vendor infrastructures for uncompressed playout.



Features

- Video server working with SD/HD/3G materials, supports a wide range of codecs and formats.
- Work directly with local storage or shared storage.
- Includes basic automation that can accept Cue, Play commands from the controlling system, supports industrial standard VDCP, GPI and Native API. This option allows generating a channel under an automation system.
- Video Server has its own native playlist module that allows clips with SD/HD, MXF, H264, HEVC, Mix resolution playlist to be played out. Clips in the playlist can be played by sequential or loop mode.
- Web-based user interface configures and controls video server to play media with frame accuracy
- Support working with external controlling softwares for the following application:
 - Ingest/record
 - Graphic Playout
 - Live streaming with multiple resolution for OTT application
 - Support IP IN/OUT: NDI, IP, Multicast
 - Support work with third party controlling software via API

Hardware Platform Specifications

Model	Ultra-X_A404	Ultra-X_A409	Ultra-X_A409 UHD	Ultra-X_T409
Operating System	1+1 redundant SSDs	1+1 redundant SSDs	1+1 redundant SSDs	01 SSDs
CPU Type	Intel® Xeon® Processors	Intel® Xeon® Processors	Intel® Xeon® Processors	Intel® Xeon® Processors
GPU Type	NVIDIA 4GB	NVIDIA 4GB	NVIDIA 8GB	NVIDIA 4GB
Video Drive	4 drives 2.5" Hot-swap 480GB SSD	4 drives 2.5" Hot-swap 960GB SSD	4 drives 2.5" Hot-swap 960GB SSD	4 drives 2.5" Hot-swap 960GB SSD
Network	2 ports 1GbE	4 ports 1GbE	2 ports 1GbE; 2 ports 10/25GbE	2 ports 1GbE
I/O	4 x 3G/HD-SDI bi-directional connection (BNC)	4 x 3G/HD-SDI bi-directional connection (BNC)	4 x 12G/3G/HD-SDI bi-directional connection (BNC)	4 x 3G/HD-SDI bi-directional connection (BNC)
Video Formats	625i, 525i, 720p, 1080p, 1080i	625i, 525i, 720p, 1080p, 1080i	625i, 525i, 720p, 1080p, 1080i, 3840 x 2160p, 4096 x 2160p	625i, 525i, 720p, 1080p, 1080i
Aspect Ratios	16:9; 4:3	16:9; 4:3	16:9; 4:3	16:9; 4:3
File Wrapper	MXF, MP4, AVI	MXF, MP4, AVI	MXF, MP4, AVI	MXF, MP4, AVI
Video Compress	XDCAM HD, DNxHD, Apple ProRes, AVC-Intra, MPEG-2, XAVC Intra and Long GOP	XDCAM HD, DNxHD, Apple ProRes, AVC-Intra, MPEG-2, XAVC Intra and Long GOP	XDCAM HD, DNxHD, Apple ProRes, AVC-Intra, MPEG-2, XAVC Intra and Long GOP 4K: ProRes 4444; XAVC 4K Intra Class 300 and 480; DNxHR® (HQX, HQ, SQ, LB)	XDCAM HD, DNxHD, Apple ProRes, AVC-Intra, MPEG-2, XAVC Intra and Long GOP
Audio Formats	24-bit PCM, 48kHz	24-bit PCM, 48kHz	24-bit PCM, 48kHz	24-bit PCM, 48kHz
Protocol	VDCP RS-422, GPI and Native API Over IP	VDCP RS-422, GPI and Native API Over IP	VDCP RS-422, GPI and Native API Over IP	VDCP RS-422, GPI and Native API Over IP
Power Supply	Hot-plug, Redundant Power Supply (1+1)	Hot-plug, Redundant Power Supply (1+1)	Hot-plug, Redundant Power Supply (1+1)	Single Power Supply
Form Factor	1U	2U	2U	Tower
Warranty	1, 3, or 5 Year Warranty	1, 3, or 5 Year Warranty	1, 3, or 5 Year Warranty	1, 3, or 5 Year Warranty



Option Software:

Ultra-X 3GRec

Up to SD/HD record Option

License Record up to 3G/HD video. 01 Channel encoding live video over SDI. One license is required per input channel. This license is permanent, enforced and has a count of 1.

Ultra-X 3GPlay

Up to SD/HD Payout Option

License Payout up to 3G/HD video. 01 Channel decoding using live video over SDI. One license is required per output channel. This license is permanent, enforced and has a count of 1.

Ultra-X Engine Graph

Channel Branding

Engine Graph uses HTML5 for graphic format and animation. Rendering static and animated graphic contents. Support unlimited graphic layers with Overlay or key/fill graphics. Import documents and insert text, crawl text on graphic image. Import various image, image sequence file

formats: BMP, JPG, PNG, TARGA... Import various video file formats: WMV MP4, MOV... Rendering results have good quality, clear, true color, moving object is smooth, without flickering. Easy data entry operation; support data retrieval with database

IP Live+

Live input/output over IP

Live Streams with SD, HD formats support: RTP, UDP, MPEG-TS, HLS, NewTek NDI, RTMP, RSTP, WebRTC. One license is required per input/output channel. This license is permanent, enforced and has a count of 1.

Ultra-X OTT

Streaming Multiple output resolutions for OTT. Multiple and Adaptive bitrates for OTT applications.

Ultra-X Social Media

Social Media publishing: Facebook, Twitch, Twitter, YouTube

ABOUT US

HD UltraSoft is recognized as the most simple and complete solution provider for distributed post-production of any TV channel. Our highly qualified staff are able to provide solutions for total automated file workflow and station management solutions for any existing infrastructure. The total new concept of a direct Database integration/ synchronization on TV stations allows real-time feedback between Payout- Production- Sale.