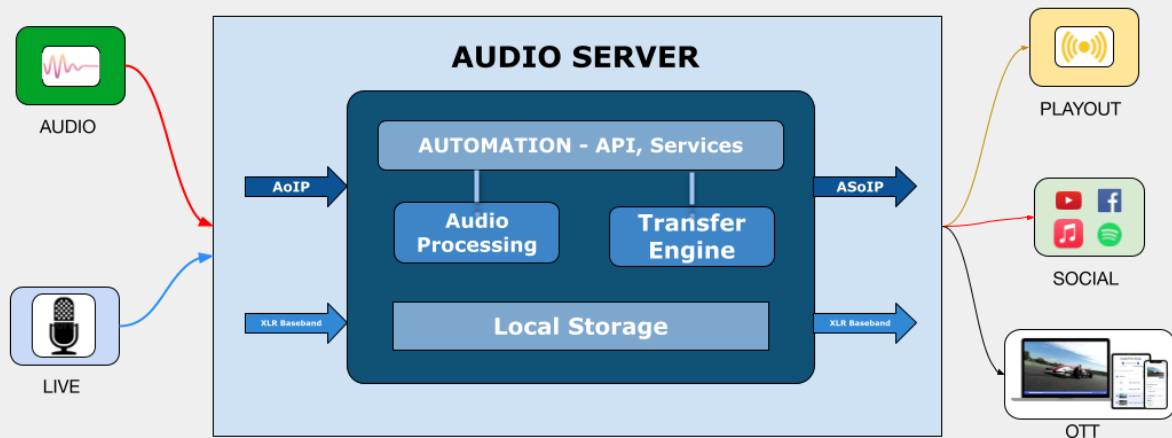


Ultra-X AuS

Audio Server

The **Ultra-X AuS** is a new generation of audio server, which combines the Channel-In-A-Box playout functions, tailored for channel origination and manipulation, with a premium quality software codec. With its sophisticated built-in automation core, integrated asset manager. Audio processing: MPEG audio, mixing of PCM and MPEG, cross-fades, real time time-scaling, 3-band parametric EQ, Maximizer.



Features

- Audio server working with 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, and supports industrial standard Native API. This option allows generating a channel under an automation system.
- Audio file in the playlist can be played in sequential or loop mode.
- Web-based user interface configures and controls audio servers to play media.
- Support working with external controlling softwares for the following application:
 - Ingest/record
 - Live streaming with multiple resolution for OTT application
 - Support IP IN/OUT: Dante
 - Support work with third party controlling software via API

Hardware Platform Specifications

Ultra-X_A204

SYSTEM CONFIGURATION

Operating System	02 x SSD Drives
CPU Type Per Chassis	Intel® Xeon® Processors
Audio Drive	02 x 480GB SSD With Raid-1
Power Supply	Redundant Power Supplies
Rack Mount	1U

AUDIO FORMATS

Audio Format	PCM (8, 16 and 24 bits) MPEG Audio Layer I, Layer II and Layer III, Float IEEE754 AAC-LC, HE-AAC V1 or HE-AAC V2
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INPUTS & OUTPUTS

Input/Output Audio:	2 balanced analog mono line Input XLR 4 balanced analog mono line Output XLR 1 AES/EBU inputs/outputs
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Audio performance

Frequency response (record + play)	20 Hz–20 kHz: ± 0.2 dB
Dynamic range	Analog In: >104 dBA Analog Out: >104 dBA
THD + noise 1 kHz at –1 dBfs	Analog In: <–97 dB Analog Out: <–94 dB

PROTOCOLS

Native APIs; VDCP	TCP/IP Ethernet
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Ultra-X_A209

SYSTEM CONFIGURATION

Operating System	02 x SSD Drives
CPU Type Per Chassis	Intel® Xeon® Processors
Audio Drive	02 x 960GB SSD With Raid-1
Power Supply	Redundant Power Supplies
Rack Mount	1U

AUDIO FORMATS

Audio Format	PCM (8, 16 and 24 bits) MPEG Audio Layer I, Layer II and Layer III, Float IEEE754 AAC-LC, HE-AAC V1 or HE-AAC V2
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INPUTS & OUTPUTS

Input/Output Audio:	4 balanced analog mono line Input XLR 4 balanced analog mono line Output XLR 2 AES/EBU inputs/outputs
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Audio performance

Frequency response (record + play)	20 Hz–20 kHz: ± 0.2 dB
Dynamic range	Analog In: >104 dBA Analog Out: >104 dBA
THD + noise 1 kHz at –1 dBfs	Analog In: <–97 dB Analog Out: <–94 dB

PROTOCOLS

Native APIs Control Protocol	TCP/IP Ethernet
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Option Software:

Ultra-X AudioRec

License Record up to Stereo audio. One license is required per input channel. This license is permanent, enforced and has a count of 1.

Ultra-X AudioPlay

License Playout up to Stereo audio. One license is required per output channel. This license is permanent, enforced and has a count of 1.

IP Dante

Dante Live input/output over IP. 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, Spotify, 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 Playout- Production- Sale.