

ARKKI PLAY&STREAM: COST-EFFECTIVE, SCALABLE, FUTURE-PROOF

High-Density, IP-Ready Payout

With an every-increasing number of channels available for broadcasters and production outfits to deliver content to their subscribers, it becomes apparent that a cost-effective solution is needed. Media workflows can be very complex resulting in expensive investments in specialized equipment.

Arkki Play&Stream allows our broadcast customers to digitize and deliver their content—whether as a complement to or replacement for their existing video servers effectively and efficiently. Built on an innovative open IT-based platform, Arkki Play&Stream delivers high-quality video output up 8K HDRO 10-bit in a range of input/output or local/central storage combinations—with built-in redundancy.

Looking for high-density, highly scalable, resilient, and cost-effective video ingest, payout, and streaming? Arkki Play&Stream is your solution.

The Arkki Play&Stream Difference:

- Streamline workflows with a single system for production
- Choose your starting configuration, scale as your grow
- Play files from legacy SeaChange (XOR Media), Harris NEXIO, and Omnieon servers

Enjoy Flexible Codec Support

Arkki Play&Stream fully supports the most popular software codecs. Industry standards like QuickTime & MXF are supported—allowing seamless workflow integration with third-party NLEs and Dalet production tools. Arkki Play&Stream also supports DV-based Codecs, AVCi, AVC LongG HD, Sony XAVC-Intra and Long GOP HD Payout Support, most MPEG2s, Arkki Play&Stream H264/H265, and even proprietary codecs like ProRes and DNxHD. These formats can be played back-to-back seamlessly on the same timeline with dynamic cross-up- and down-conversion of the video signal, as well as aspect ratio modifications.



Key Benefits and Features:

- Playout multiple and mixed formats with dynamic conversion
- Wide range of input and output options
- Multiformat and mixed engine up to 8K HDR 10-bit
- Reliable streaming
- Expanded codec support—DNxHD, ProRes, AVC Intra, XDCAM HD
- Backup copier agent
- I/O live monitoring via web browser
- 24/7 support

Leverage Innovative System Architecture

Arkki Play&Stream can work locally with its own storage, directly ties to a SAN, or in a hybrid configuration. Select from different redundancy, capacity, and storage connectivity options to suit your needs and workflow complexities—change things up the moment your need to scale up. Arkki Play&Stream adapts to your business' growth.

Fully-Integrated Graphics Engine

Arkki Play&Stream offers an optional embedded graphics engine. This makes it easy to design and playout computer graphics, crawlers, tickers, lower thirds, logos, full frame graphics, and even complex animations. A wide range of setup options offers flexibility and facilitates all graphics production and playout needs.

Build-Up Your Own Ads

Arkki Play&Stream even supports SCTE 104/35 for ad insertion triggering with standard or customize information and customizable ANC management.

Playout Even Legacy Files

Arkki Play&Stream even supports file import and native file playback of existing legacy SeaChange and XOR Media BMC and BML files, Harris NEXIO, and Omneon MPEG2 OP1a MOV and MXF files. No conversion required!



Ready-to-Go and Future-Proof

Worried what tomorrow's technology will bring? Don't! Arkki Play&Stream is ready to bridge the gap to IP deliver methods. It supports not just SDI but also IP ingest and streaming. Arkki Play&Stream's highly configurable and flexible design ensures future-looking scalability and compatibility. You can start small and grow the system along with you.

Advanced IP live input and output with closed caption and SCTE injection:

NDI /IP 2110-2022
WEBRTC 2
RTSP/RTMP
HLS
UDP/UDP-DVB TS
Mpeg-dash
SRT/SRT DVB

CODECS SUPPORTED:

Uncompressed 4:2:2 8bit
Uncompressed 4:2:2 10bit
DV Video / DVCPRO-HD
H.264 / AVC / MPEG-4 AVC / MPEG-4 part 10
H.264 / H.265 10 BIT 444
FLV / Sorenson Spark / Sorenson H.263 (Flash Video)
HuffyUV VC-1
MJPEG (Motion JPEG)
MPEG-1 Video
FFV1
MPEG-2 Video
MPEG-4 part 2 Video
Apple ProRes

Windows Media Video 8
OpenJPEG JPEG 2000
Google VP8
libvpx VP9
DNxHD (Digital Nonlinear Extensible High Definition)

QuickTime Animation (RLE) video
AV1
NDI QT
Wrappers
MPEG Program Stream
MPEG Transport Stream
MP4 (MPEG-4 Part 14)
MOV (QuickTime File Format)
MOV DNxHD

DPX AND IMAGE SEQUENCE
XDCAM - MPEG IMX (MPEG-4 container)
MXF (Material eXchange Format)
MXF D-10 (Material eXchange Format D-10 Mapping)
GXF (General eXchange Format)
DV (Digital Video)
DVD Video (VOB-Files) ASF (Advanced / Active Streaming Format)
iPod MP4 (MPEG-4 Part 14)
AVI (Audio Video Interleaved)
MKV (Matroska)
WebM
Image Sequence
MP3 (MPEG audio layer 3)

AC3 (AC3 audio files)
AAC (Advanced Audio Codec)
WAV (Wave Audio Files)
Ogg MXF Op1a, MXF Op Atom
QuickTime Reference, QuickTime Self-Contained MP4, AVI, MPG, WMV



ARKKI SUITE is a collection of cost-effective modular solutions by MediaPower that enables you to produce and deliver digital content.

About MediaPower

MediaPower started in 1993 as a networking and storage and solutions provider for the broadcast industry. Since then, we have pursued multi-disciplinary expertise in IT-based workflows, media management, content acquisition and distribution, and digital transformation. We have a presence 30-countries strong. And we're still growing.

Our suite of services and applications (ARKKI SUITE) enables organizations to produce and deliver digital content across different platforms through Multi-channel video capture and recording, Multi-channel and multi-format digital content distribution, and Digital story-telling presentation systems.

With MediaPower, you leverage over 30 years of experience and industry expertise in integrating and supporting complex play-to-air, video on-demand, media asset management, archiving, sport publication, and other media workflows.



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