

Capture EVERYTHING. EVERYWHERE.

Arkki INGEST

The need for efficiency and access ubiquity has pushed the adoption of newer IT-based technologies in broadcast, media, and production operations. This includes bringing new program elements into the studio or facility in the form of conventional video, compressed data streams, or data files.

Content ingest is quickly becoming a central part in media operations. Whether coming from tape or from digital sources, high volumes of content need to be ingested and centralized for production, distribution and archiving, thereby requiring a fast, reliable, and cost-effective solution to capture content simultaneously from different sources.

Arkki INGEST is MediaPower's intelligent multi-channel video capture and recording solution for broadcast, media, and production studios. Arkki Ingest enables you to start real-time conversions from multiple sources to heterogeneous targets, transcode and record live video signals, and manage virtually infinite capture sessions simultaneously.



Key features

- Multi-channel SDI, IP, file or stream ingest
- Supports all common video formats, codecs, and containers
- Supports all common audio codecs
- Advanced stream capture capabilities including support for RTMP, UDP, DVB, SRT, RTP, RTSP, IIS, and HLS
- PC App or web client with high quality source preview
- Multi-instance for virtual infinite capture sessions
- Real-time live video converter
- Synchronized multi-capture
- Timeshift playback
- Command-line access to advanced codec settings
- Direct capture and metadata addition to MediaPower Arkki EVO DAM

Key benefits

- Manage virtually infinite capture sessions
- Real-time conversions from multiple sources to heterogeneous targets
- Transcode and record live video

Arkki INGEST supports many different input sources and send them to heterogeneous targets.

● INPUT SOURCES OUTPUT DESTINATIONS ●

- ▶ Decklink Native
- ▶ Aja
- ▶ Any other DirectShow Device
- ▶ Ndi Native Iso
- ▶ WebRtc
- ▶ SRT
- ▶ rtm/sp
- ▶ HLS
- ▶ Web pages
- ▶ File-based

- ▶ NDI
- ▶ SDI
- ▶ Webrtc
- ▶ rtsp/mp
- ▶ Srt
- ▶ Srt/DVB

Play while recording

With closed captions, Anc - Vanc support and LTC insertion

SMART INGEST

Arkki INGEST features a SMART Ingest functionality that lets you:

- ✔ Create and synchronize multiple instances for virtually infinite capture sessions
- ✔ Convert and time-shift live video sources to NDI/SDI output in real-time
- ✔ Access advanced codec settings through a command-line interface
- ✔ Directly capture and add metadata into MediaPower’s Arkki EVO Digital Asset Management Platform

- Capture
- Time shift capture
- Pause Capture
- Switch file capture
- Capture time limit
- Capture file size limit
- Incremental file name capture
- Scheduled capture
- Closed caption preview
- Frame rate conversion filter
- Aspect ratio filter
- Audio normalizer
- Audio gain filter
- Encoder profile preset
- Capture without re-encoding (stream copy)

PC application or WEB client

Arkki INGEST comes as a PC application or a web client. You get the choice of whether you use a PC application on your workstations or use your web browser to remotely access the ingest application with high quality source previews.



Supported Data Containers

- MPEG Program Stream
- MPEG Transport Stream
- MP4 (MPEG-4 Part 14)
- MOV (QuickTime File Format)
- MOV DNxHD
- 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

Advanced Stream Capture Features

- RTMP Streaming
- UDP Streaming
- DVB Compatible Streaming
- SRT - Secure Reliable Transport
- SRT - Secure Reliable Transport (DVB Compatible)
- RTP (standard)
- RTP (Pro-MPEG)
- RTSP
- IIS Live Smooth Streaming
- HLS Apple Live Streaming

Supported Video Codecs

- Uncompressed 4:2:2 8bit
- Uncompressed 4:2:2 10bit
- DV Video / DVCPRO-HD
- Intel QuickSync H.264 Encoder
- Intel QuickSync SW H.264 Encoder
- Intel QuickSync HW H.264 Encoder
- NVIDIA NVEnc H.264 Encoder
- NVIDIA NVEnc H.264 Lossless Encoder
- NVIDIA NVEnc H.265 (HEVC) Encoder
- CUDA H.264 Video Encoder
- Cisco libopenh264 H.264/MPEG-4 AVC Encoder
- libx264 H.264 / AVC / MPEG-4 AVC / MPEG-4 part 10
- Intel QuickSync HEVC Encoder, x265 H.265/HEVC
- 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
- AMD AMF H.264 Encoder
- AMD AMF H.265 (HEVC) Encoder, libvpx VP9
- DNxHD (Digital Nonlinear Extensible High Definition)
- QuickTime Animation (RLE) video

Supported Audio Codecs

- General Audio Attributes
- AAC (Advanced Audio Coding)
- ATSC A/52A (AC-3)
- ALAC (Apple Lossless Audio Codec)
- ATSC A/52 E-AC-3
- FLAC (Free Lossless Audio Codec)
- MP2 (MPEG audio layer 2)
- Ogg Vorbis
- ADPCM IMA QuickTime
- ADPCM Microsoft
- (Uncompressed) PCM 32-bit floating point little-endian
- (Uncompressed) PCM signed 16-bit little-endian
- (Uncompressed) PCM D-Cinema audio signed 24-bit
- (Uncompressed) PCM signed 24-bit little-endian
- (Uncompressed) PCM signed 32-bit little-endian
- MP3 Lame (MPEG audio layer 3)

ARKKI SUITE



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

About MediaPower

MediaPower enables media workflows through products and services that empower organizations to create, manage, deliver, and monetize digital content. Founded in 1993, MediaPower started as an integrator of networking and storage solutions for the broadcast industry, with products from top brands like SeaChange, DDN, NetApp, and Dalet. MediaPower has since developed multidisciplinary expertise in IT-based workflows, media management, content acquisition & distribution, and digital transformation.

Having started in Italy & France, MediaPower now has established offices in Europe, Asia, and the United States, with a global presence in over 30 countries through its expansive and continually growing channels network.

While MediaPower continues to bring best-of-breed technologies from different content creation, management, and distribution brands into its offerings, it now also develops its suite of services and applications that enable the use of video throughout an organization's internal and external communications. These include NewsTouch touch-based live presentation appliance, Arkki EVO Digital Asset Manager, AirGo integrated video server, NewsApp UGC (user-generated content) sharing platform, and its own OTT delivery platform.

With the widespread use of video and digital media in many different aspects of any business or vertical industry, MediaPower aims to serve not just the traditional broadcast and media space, but also content publishers, institutions, and corporate organizations to help them shift to technology and data-driven operations that deliver value to their customers.



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