ARM Desktop SDK

Transition to ARM-powered chipsets with codecs optimized for performance and usability

Video production workflows face unique challenges, often demanding immense processing power and the flexibility to operate reliably across a variety of devices, formats and platforms. With the introduction of ARM-powered devices, video software providers and users need to think critically about how to rearchitect applications and workflows. Among the most important considerations is codec performance. However, with MainConcept, the API remains the same, so you don't have to change your code and your transition is seamless.

Leading the Way in Codec Technology for ARM

MainConcept started working with leading companies such as Adobe in early 2020. MainConcept ARM Desktop SDK delivers codecs and components that have been tested across a multitude of implementations, from multi-seat production studios to at-home setups.

High-Performance Codecs for ARM-powered chipsets

We've taken MainConcept's award-winning codecs and engineered them to be ARM-ready, with a familiar API, expanded functionality, professional camera support and more. Your software should perform reliably, regardless of the device or processor it is run on.

Use Cases for MainConcept's ARM Desktop SDK

The MainConcept ARM Desktop SDK enables software like Adobe Premiere Pro, the leader in video editing, to deliver the same amazing experiences users have come to expect from x86 processors. The MainConcept ARM Desktop SDK allows software developers to focus their efforts on higher-level development, saving organizations both time and money.

BENEFITS

Fast
2x faster encoding & decoding performance compared to unoptimized codecs. [1]

Efficient
Integration ready for Mac and Windows operating systems.

Reliable
Engineered for the most demanding video production workloads.

KEY FEATURES

- Professional camera support.
- Seamless transition as no API code change is required.
- Multi-seat, on-prem to cloud production workflows to at-home studio use cases.

[1] When compared to unoptimized codecs; based on MainConcept's integration and performance testing.

OPERATING SYSTEM

- Microsoft Windows 10 ARM
- Apple macOS 11 (Big Sur) for Apple Silicon

MainConcept ARM Desktop SDK codecs and products

With the most extensive lineup of video codecs and components optimized specifically for ARM-powered chipsets in the industry, MainConcept can help you get ready for the future of chipsets.

- HEVC/H.265
- AVC/H.264
- MPEG-4
- MPEG-1/2
- DV/DVCPRO 25/50/HD

- Audio
- Converter & Scaler
- SCTE-35
- Network Server and Client
- OTT Content Creation

ABOUT MAINCONCEPT

Since 1993, MainConcept has provided best-of-breed video/audio codec solutions that fuel creativity and business globally for professional video production, multimedia, broadcast, digital signage, gaming, medical and security industries. Our software development kits, transcoding applications and plugins are used across industry verticals to meet an ever-expanding list of use cases. With world-class engineering, exquisite attention to detail, and best-in-class support and professional services, we are constantly innovating to deliver you the simplicity you need with the customer experience you deserve. MainConcept codecs are engineered to surpass the challenges of even the most demanding use cases and are used by organizations such as Adobe, Nikon, Intel, MAGIX, Playbox, Corel, Autodesk, Grass Valley, and Endeavor Streaming.

MAINCONCEPT GMBH
Elisabethstr. 1
52062 Aachen, Germany

MAINCONCEPT LLC
9444 Waples Street, Suite 210
San Diego, CA 92121

MORE INFORMATION
www.mainconcept.com/arm
sales@mainconcept.com