ADN Engine

Multi-format processing platform

Dedicated to resolving interoperability issues in non-linear workflows, this engine ensures seamless workflow continuity across heterogeneous subsystems

Architecture

Modular and high-performance
Modules can be selectively enabled and configured according to requirements

Dynamic load distribution
Native support for dynamic load balancing or parallel processing across multiple servers

Web service
Available to facilitate platform integration within an existing environment

Supervision
Unified and ergonomic monitoring via the ADN Dashboard

Technical specifications

Video formats
XDCAM HD, DNxHD, ProRes, MPEG-4, MXF
MXF, MOV, TS, MP4, DASH

Audio formats
WAV, MPEG-L2, AAC, AC3, Dolby E
Subtitle formats
OP-47, PAC, STL, SRT, WebVTT, DVB Bitmap, DVB Teletext

Metadata
Import / export: XML or BXF

Environment
Windows 10, 7, XP

Resource usage
CPU: 1.6 GHz
RAM: 4 GB
Minimum resolution: 1600×900

Key features

Transcoding
Ensures continuity of exchanges across platforms composed of heterogeneous systems

Audio processing
- Dolby E decoding / encoding
- Audio remapping
- Audio upmix / downmix
- Loudness correction via Minnetonka

Subtitling
Insertion of OP-47, DVB Bitmap or Teletext subtitle tracks from STL, SRT or PAC sources

Branding
Insertion of logos, text, timecode and animated sequences

Additional processing
- Audio waveform generation
- Video thumbnail extraction

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