Feature Highlights

- Workflow engine for orchestration.
- UHD High Dynamic Range Processing and cross conversion.
- Comprehensive IMF support (App 2, App 2e, App ProRes, App DPP).
- Install on cloud or on premise
- Customised Web based UI's for Operators using Kiosk Technology
- AMWA AS-03, AS-10 and AS-11 xN Support (including x8 and x9)
- ARD/ZDF MXF Profiles
- Best-in-class image processing
- Consistently high-quality results for all codecs
- Unique interlace, progressive and framerate handling
- Embedded multi-channel audio, Closed Captioning and Ancillary data processing.
- Direct connection to shared storage platforms
- Embedded mark-up, editing, metadata & segmentation tools
- Scalable across CPUs, GPUs and Networks
- Quality Control reports managed through media lifecycle
- Clearly defined, documented and extensible APIs
- Unified QC approach for automated and manual operations
- Proven interoperability in multi-vendor environments

Dalet AmberFin

Dalet AmberFin is a high quality, scalable media processing platform driven by a powerful workflow engine.

Complex workflows to ingest, process, package and deliver assets reliably can be designed and monitored in a highly intuitive web-based interface.

Whether you need a single application specific product or a large-scale enterprise-class farm Dalet AmberFin software is built upon unique technologies that ensure your media assets retain the highest quality from new media content to 4K resolutions and High Dynamic Range colors.

Dalet AmberFin software runs on cost-effective, commodity IT hardware or cloud/ virtual machines that can adapt and grow as the needs of your business change and offers extensible rich APIs to ease integration in any environment.

New in this version: V11.8

- IMF App DPP (SMPTE TSP 2121-1:2018) creation and consumption
- Direct S3 Media File I/O
- "AmberFin Kiosk" Workflow Based User Tasks
- P2 Cast Workflow Stencil
- HDR Framerate conversions for all resolutions
- HDR Metadata Support
- D65-P3 Colorspace Support

New in the previous versions:

V11.7

- IMF App ProRes (SMPTE RDD 45:2017) creation and consumption
- IMF App 2 and 2e playback, including complex package playback
- AS-11 xN file support including DPP and NABA variants
- Kiosk Intermediate File Copy
- Intrinsic Kiosk Applications

V11.6:

- High Dynamic Range Processing and conversion between SDR, PQ and HLG
- "AmberFin Kiosk" Camera Card Ingest
- Customisable Web Based Workflow User Interfaces
- IMF Simple, Complex, Complete and Partial Package support
- Web Based Floating License Manager
- Nielsen Watermarking insertion
- Enhanced Logo Insertion
- Audio Only Transcoding

Format		Transcode In	Transcode Out
AVI	DV/DVCPro/DVCProHD	•	•
	Uncompressed Video	•	•
MXF OP1a	Uncompressed Video	•	•
	JPEG 2000	H	H
	MPEG-2 Intra/ Long-GOP	•	•
	H.264 (AVC) Intra/ Long-GOP	•	•
	Panasonic AVC-Intra	H	H
	Panasonic AVC-LongG6/12/25/50	•	
	XAVC HD Intra/Long GOP	•	•
	XAVC 4K Intra CBG	H	H
	XAVC 4K Long GOP VBR	H	H
	MPEG-4 SStP Lite/SQ 4:2:2	•	
	DNxHD	•	•
	DNxHR	•	•
	ProRes 422 Proxy/422 LT/422/422 HQ	•	•
	ProRes 4444/ 4444XQ	H	H
	DV/DVCPro/DVCProHD	•	•
	D10 (IMX 30/40/50)	•	•
	MPEG 1Layer 2 Audio	•	•
	Dolby D (AC-3, 5.1)	•	•
MXF XDCAM	XDCAM HD	•	•
	DVCAM	•	•
MXF P2	DV/DVCPro/DVCProHD	•	•
	Panasonic AVC-Intra	•	•
MXF OP-Atom (AAF)	DNxHD	•	•
	DV 25/50	•	•
	IMX	•	•
	XDCAM HD	•	•
	Panasonic AVC-Intra	•	•
MXF AS-02	Uncompressed Video	•	•
	JPEG 2000	H	H
	MPEG-2 Intra/ Long-GOP	•	•
	H.264 (AVC) Intra/ Long-GOP	•	•
	D10 (IMX 30/40/50)	•	•
	DV/DVCPro/DVCProHD	•	•
	Panasonic AVC-Intra	H	H
IMF	App #2/ App #2e (JPEG 2000)	H	H
	App ProRes (RDD 45:2017)/ App DPP (TSP 2121-1)	H	H
MPEG-2 Transport Stream	MPEG-2 I frame	•	•
	MPEG-2 Long-GOP	•	•
	D10 (IMX 30/40/50)	•	•
	H.264/AAC	•	•
	AVCHD	•	•
	MPEG 1Layer 2 Audio, Dolby D (AC-3, 5.1)	•	•
	MPEG-2 Intra	•	•
MPEG-2 Program Stream	MPEG-2 Long-GOP	•	•
	D10 (IMX 30/40/50)	•	•
	MPEG-1 Video		•
	MPEG 1Layer 2 Audio, Dolby-D (AC-3, 5.1)	•	•

Format		Transcode In	Transcode Out
ABR	HTTP Live Streaming (HLS)		•
	MPEG-DASH (mp4)		•
Elementary Streams	JPEG 2000 (MJ2)	H	
	MPEG-2 Intra	•	•
	MPEG-2 Long-GOP	•	•
	D10 (IMX 30/40/50)	•	•
	MPEG-1 Video		•
	H.264 (AVC)		•
	HEVC		H
	DV/DVCPro/DVCProHD	•	•
	MPEG 1Layer 2 Audio	•	•
	Dolby D (AC-3, 5.1)	•	•
	WAV/BWAV	•	•
	AIFF	•	
System Stream	MPEG1 Video + MPEG-1 Layer 2 Audio		
Quicktime (mov)	MPEG-2 Intra	•	•
	MPEG-2 Long-GOP	•	•
	ProRes 422 Proxy/422 LT/422/422 HQ	•	•
	ProRes 4444/ 4444XQ	H	H
	DNxHR	•	•
	XDCAM HD	•	•
	XDCAM EX		•
	D10 (IMX 30/40/50)	•	•
	DV/DVCPro/DVCProHD	•	•
	Native QT 7 Windows codecs (eg MJPEG)	•	•
	User installed QT 7 A/V codecs		•
	Uncompressed 10 bit/8 bit	•	•
	Sorensen video 3	•	•
	ASP	•	•
	H.264 (AVC)	•	•
	AAC / AMR	•	•
Quicktime Reference	D10 (IMX 30/40/50)	•	•
	MPEG-2 I frame/ Long-GOP	•	•
	XDCAM HD	•	•
GXF	MPEG-2	•	•
	DV/DVCPro/DVCProHD	•	•
LXF	MPEG-2	•	
MP4	H.263		•
	H.264 (AVC)	•	•
	HEVC	H	H
	AAC (HC/ LC)	•	•
Windows Media	VC-1	•	•
	WM9	•	•
WebM	VP8		•
3GPP	H.263		•
	H.264 (AVC)	•	•
Images	DPX (up to 16 bits)	H	
	TIFF, PNG, BMP, JPEG, TGA	TIFF	•

● = Resolutions to HD   P = Proxy
● = Resolution support beyond HD   H = High Dynamic Range