

Feature Highlights

- UHD High Dynamic Range Processing
- Workflow engine for orchestration
- IMF creation for Netflix
- Install on cloud or on-premise
- AMWA AS-03, AS-10 and AS-11 UK DPP Outputs
- ARD/ZDF MXF Profiles
- Best-in-class image processing
- Consistently high quality results for all codecs
- Unique interlace, progressive and framerate handling
- High quality, frame-accurate HD-SDI ingest and playback
- 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 operation
- 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.

Dalet AmberFin software runs on cost-effective, commodity IT hardware 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:

- High Dynamic Range processing.
- ProRes 4444XQ support on transcode input and output (PQ and HLG).
- XAVC support on transcode input and output (PQ).
- HEVC support on transcode input and output (PQ and HLG).
- J2K support on transcode input and output (PQ and HLG).
- DPX support on transcode input (PQ and HLG).
- HDR (PQ) to Standard Dynamic Range for Proxies.
- IMF Complex package generation.
- IMF added support for 2016 schema
- IMF Netflix Photon Workflow Integration
- Best Effort Transcode Mode
- Workflow folder management (CIFS/ FTP/ S3)

New in the previous version (V11.3):

- DNxHR and ProRes 4444 support on transcode output
- Ability to scale up/down a farm via the Infrastructure RESTful API
- Batch ingest with automatic rewrap/transcode stitch
- Native H.264/AVC in MPEG-2 Transport Stream support on transcode output
- MPEG-2 Transport Stream H.264/AAC chunking support for HLS formats
- IMF Essences support on transcode/rewrap output
- Audio loudness measurement and correction (licensed option)
- AS-10 Support (transcode/rewrap output and metadata plugin)
- Roll-up/Paint-on caption support for TTML to 608 and 608 to 708 conversions

Format		Ingest	Play	Transcode	
				In	Out
AVI	DV/DVCPPro/DVCPProHD	●	●	●	●
	Uncompressed Video	●	●	●	●
MXF OP1a	Uncompressed Video		●	●	●
	JPEG 2000	●	●	H	H
	MPEG-2 I frame	●	●	●	●
	MPEG-2 Long-GOP	●	●	●	●
	AVC-Intra	●	●	H	H
	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			●	●
	DV/DVCPPro/DVCPProHD	●	●	●	●
	D10 (IMX 30/40/50)	●	●	●	●
MPEG 1Layer 2 Audio	●	●	●	●	
Dolby D (AC-3, 5.1)	●	●	●	●	
MXF XDCAM	XDCAM HD	●	●	●	●
	DVCAM	●	●	●	●
MXF P2	DV/DVCPPro/DVCPProHD	●	●	●	●
	AVC-Intra	●	●	●	●
MXF OP-Atom (AAF)	DNxHD	●	●	●	●
	DV 25/50	●	●	●	●
	IMX	●	●	●	●
MXF AS-02	Uncompressed Video	●	●	●	●
	JPEG 2000	●	●	H	H
	MPEG-2 I frame		●	●	●
	MPEG-2 Long-GOP	●	●	●	●
	D10 (IMX 30/40/50)	●	●	●	●
	DV/DVCPPro/DVCPProHD		●	●	●
	AVC-Intra	●	●	H	H
MPEG-2 Transport Stream	MPEG-2 I frame	●	●	●	●
	MPEG-2 Long-GOP		●	●	●
	D10 (IMX 30/40/50)	●	●	●	●
	H.264/AAC		●	●	●
	HEVC				H
	AVCHD	●	●	●	●
MPEG 1Layer 2 Audio, Dolby D (AC-3, 5.1)	●	●	●	●	
MPEG-2 Program Stream	MPEG-2 I frame	●	●	●	●
	MPEG-2 Long-GOP		●	●	●
	D10 (IMX 30/40/50)	●	●	●	●
	MPEG-1 Video	P		●	●
MPEG 1Layer 2 Audio, Dolby-D (AC-3, 5.1)	●	●	●	●	

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

P = Proxy H = High Dynamic Range ● = Resolution support beyond HD * = Check availability

Want to know more?

Dalet Digital Media Systems software solutions are used by Content Owners, Broadcasters, Sports Organizations and Post Production Facilities worldwide.

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