

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 (QC) 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.

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:

- IMF App #2e (SMPTE ST 2067-21) creation and consumption
- MPEG-DASH Package Creation
- Microsoft Azure Blob Storage file and folder management
- TIFF Transcode Inputs
- J2k and ProRes framerate conversion during rewrap
- Input Adaptive Scaling

New in the previous version (V11.4):

- 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)

Format		Ingest	Play	Transcode		Format		Ingest	Play	Transcode	
				In	Out					In	Out
AVI	DV/DVCPPro/DVCPProHD	●	●	●	●	Elementary Streams	JPEG 2000 (MJ2)		●	H	H
	Uncompressed Video	●	●	●	●		MPEG-2 I frame	●	●	●	●
MXF OP1a	Uncompressed Video		●	●	●		MPEG-2 Long-GOP		●	●	●
	JPEG 2000	●	●	H	H		D10 (IMX 30/40/50)	●	●	●	●
	MPEG-2 I frame	●	●	●	●		MPEG-1 Video		●	●	●
	MPEG-2 Long-GOP	●	●	●	●		H.264				●
	AVC-Intra	●	●	H	H		HEVC				H
	AVC-LongG6/12/25/50			●	●		DV/DVCPPro/DVCPProHD	●	●	●	●
	XAVC HD Intra/Long GOP		●	●	●		MPEG 1Layer 2 Audio	●	●	●	●
	XAVC 4K Intra CBG		●	H	H		Dolby D (AC-3, 5.1)	●	●	●	●
	XAVC 4K Long GOP VBR		●	H	H		WAV/BWAV	●	●	●	●
	MPEG-4 SStP Lite/SQ 4:2:2			●	●		AIFF	●	●		
DNxHD	●	●	●	●	System Stream		MPEG1 Video + MPEG-1 Layer 2 Audio	P	●		●
DNxHR			●	●			MPEG-2 I frame		●	●	●
MXF XDCAM	DV/DVCPPro/DVCPProHD	●	●	●	●	MPEG-2 Long-GOP		●	●	●	
	D10 (IMX 30/40/50)	●	●	●	●	Pro-Res 422 Proxy/422 LT/422/422 HQ	●	●	●	●	
	MPEG 1Layer 2 Audio	●	●	●	●	ProRes 4444/ 4444XQ		●	H	H	
	Dolby D (AC-3, 5.1)	●	●	●	●	DNxHR			●	●	
	MXF P2	XDCAM HD	●	●	●	●	XDCAM HD		●	●	●
DVCAM		●	●	●	●	XDCAM EX				●	
MXF OP-Atom (AAF)	DV/DVCPPro/DVCPProHD	●	●	●	●	Quicktime (mov)	D10 (IMX 30/40/50)	●	●	●	●
	AVC-Intra	●	●	●	●		DV/DVCPPro/DVCPProHD	●	●	●	●
MXF AS-02	DNxHD	●	●	●	●		Native QT 7 Windows codecs (eg MJPEG)		●	●	●
	DV 25/50	●	●	●	●		User installed QT 7 A/V codecs				●
	IMX	●	●	●	●		Uncompressed 10 bit/8 bit	●	●	●	●
MXF AS-02	XDCAM HD	●	●	●	●		Sorensen video 3	P	●	●	●
	Uncompressed Video	●	●	●	●		ASP		●	●	●
	JPEG 2000	●	●	H	H		H.264	P	●	●	●
	MPEG-2 I frame		●	●	●		AAC / AMR			●	●
	MPEG-2 Long-GOP	●	●	●	●		Quicktime Reference	D10 (IMX 30/40/50)	●	●	●
	D10 (IMX 30/40/50)	●	●	●	●	MPEG-2 I frame, Long-GOP		●	●	●	●
	DV/DVCPPro/DVCPProHD	●	●	●	●	XDCAM HD		●	●	●	●
IMF	AVC-Intra	●	●	H	H	GXF	MPEG-2		●	●	●
	App #2e (JPEG 2000)			H	H		DV/DVCPPro/DVCPProHD				●
MPEG-2 Transport Stream	MPEG-2 I frame	●	●	●	●	LXF	MPEG-2			●	
	MPEG-2 Long-GOP		●	●	●		MP4	H.263			
	D10 (IMX 30/40/50)	●	●	●	●	H.264			●	●	●
	H.264/AAC		●	●	●	HEVC			●	H	H
	HEVC					AAC			●	●	●
	AVCHD	●	●	●	●	Windows Media	VC-1		●	●	●
MPEG 1Layer 2 Audio, Dolby D (AC-3, 5.1)	●	●	●	●	WM9		P	●	●	●	
MPEG-2 Program Stream	MPEG-2 I frame	●	●	●	●	WebM	VP8				●
	MPEG-2 Long-GOP		●	●	●		3GPP	H.263			
	D10 (IMX 30/40/50)	●	●	●	●	H.264				●	●
	MPEG-1 Video	P		●	●	Images	DPX (up to 16 bits)			H	
MPEG 1Layer 2 Audio, Dolby-D (AC-3, 5.1)	●	●	●	●	TIFF, PNG, BMP, JPEG, TGA				TIFF	●	
ABR	HTTP Live Streaming (HLS)				●						
	MPEG-DASH (mp4)				●						

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

To find out more, contact your local Dalet channel partner, or contact Dalet:

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