

VIDEO & IMAGE CODECS		AUDIO CODECS
DV/DVCPPro/DVCPProHD MPEG-1 Video MPEG-2 Intra/ Long-GOP D10 (IMX 30/40/50) H.263 (ASP) H.264 (AVC) Intra/ Long-GOP Panasonic AVC-Intra (Class 50/100) Panasonic AVC-LongG6/12/25/50 XAVC HD Intra/Long GOP XAVC 4K Intra CBG XAVC 4K Long GOP VBR MPEG-4 SStP Lite/SQ 4:2:2	AVCHD H.265 (HEVC) DNxHD DNxHR ProRes 422 Proxy/422 LT/422/422 HQ ProRes 4444/ 4444XQ JPEG 2000 Uncompressed Video VC-1 WM9 VP8 DPX, TIFF, PNG, BMP, JPEG, TGA, DNG	PCM MPEG 1 Layer 2 Audio Dolby D (AC-3, 5.1) Dolby E Uncompressed Audio AAC (HC/ LC)
WRAPPERS & PACKAGING		
MXF OP1a, AS-02, AS-11 xN, OP-Atom (including AAF reference) MXF XDCAM, P2, ARD/ZDF IMF App 2/2e IMF App ProRes (RDD 45:2017) IMF App DPP (TSP 2121-1 & TSP 2121-4) DASH, HLS Image Sequences (DNG / DPX / TIFF / PNG / BMP / JPEG / TGA) MOV (including reference) MP4	Transport Stream Program Stream System Stream Elementary Streams GXF LXF WebM WMV	
CAMERA CARDS - KIOSK		
Canon C300, C300 Mark I/Mark II, XF305 Generic AVCHD, Generic DCIM GoPro Hero3+ Black/Hero4 Silver/Hero4 Black RED (R3D)	Panasonic P2, P2 Extended Sony XDCAM EX/HD, CTB-1, CX91500, PDW (680, 700, 1500, F350, F800, HD1500, U1), PMW (150, 200, 350, 400, 500, EX/EX1R, EX3, F8, F55), PXW (FS5, FS7, FX9, X70, X200, Z90, Z280/V), XDB-1, XDS-PD2000, Alexa Plus	
VIDEO	AUDIO	COLOR SPACE
<ul style="list-style-type: none"> • Transcode directly in AWS S3 • High Quality Scaling (Sub SD to 4K+) • High Quality De-interlacing • Advanced video bit rounding • Nearest Frame Standards Conversion • Telecine Conversion • Advanced Motion Compensated Standards Conversion • GPU-Accelerated Motion Compensated Standards Conversion • Cut/Splice • Logo Insertion • Burn In : Captions, Text, Timecode • Thumbnail Generation • Forensic Watermarking 	<ul style="list-style-type: none"> • Channel assignment & grouping • Sample rate conversion (including pitch correction) • Audio channel summing • Multi-channel (5.1/7.1) mixdown to stereo • Loudness Correction including True Peak Correction 	<ul style="list-style-type: none"> • Custom LUTs • BT.470/BT.601 (SD), BT.709 (HD) BT.2020 (UHD), P3/D65, P3/DCI, ACES • SDR (Gamma 2.4), Linear (passthrough only) • Bi-directional conversions for all supported formats • HDR10, Dolby Vision, PQ, HLG • Bi-Directional Conversions: All supported colorspace except ACES • Uni-Directional Conversions: ACES to any supported colorspace
ANALYSIS & QC	TRANSPORT & STORAGE	
<ul style="list-style-type: none"> • AmberFin Media Analyzer • Netflix Photon • Third-Party QC Automation (Tektronix Aurora, Tektronix Cerify, Interra Baton, Metaglug MXFixer, Nexidia QC, Venera Pulsar, Telestream Vidchecker) 	<ul style="list-style-type: none"> • Copy/Move/Rename/Delete • NTFS/CIFS/NFS Watchfolder • FTP Upload/Download • Accelerated Transfers (Aspera & File Catalyst) • Netflix Backlot Upload (Requires & Included with Aspera Add-On) • Object Storage (AWS S3, Azure Blob, Google Cloud Storage) – S3 offers native read/write, others require copy to/from block storage • Avid Interplay Check-in 	

Not available in AmberFin Cloud. See table on page 2 for conversions supported.

FORMAT		TRANSCODE	
		In	Out
AVI	DV/DVCPPro/DVCPProHD	●	●
	Uncompressed 8-bit 4:2:2 Video (YUY2)	●	●
	JPEG 2000	H	H
	MPEG-2 Intra/ Long-GOP	●	●
	H.264 (AVC) Intra/ Long-GOP	●	●
	Panasonic AVC-Intra (Class 50/100/200)	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
MXF OP1a	MPEG-4 SSiP Lite/SQ 4:2:2	●	●
	DNxHD	●	●
	DNxHR	●	●
	ProRes 422 Proxy/422 LT/422/422 HQ	●	●
	ProRes 4444/ 4444XQ	H	H
	DV/DVCPPro/DVCPProHD	●	●
	D10 (IMX 30/40/50)	●	●
	MPEG 1Layer 2 Audio	●	●
	Dolby D (AC-3, 5.1)	●	●
	Uncompressed 10-bit 4:2:2 Video (Interleaved CbYCrY)	●	●
	Uncompressed 8-bit 4:2:2 Video (Interleaved CbYCrY)	●	●
	Uncompressed 8-bit 4:2:2 Video (Interleaved YCbCr)	●	●
	Uncompressed 8-bit 4:2:2 Video (Planar YCbCr)	●	●
	Uncompressed 8-bit 4:2:0 Video (Planar YCbCr)	●	●
	MXF XDCAM	XDCAM HD	●
DVCAM		●	●
DV/DVCPPro/DVCPProHD		●	●
MXF P2	Panasonic AVC-Intra (Class 50/100)	●	●
	DNxHD	●	●
	DNxHR	●	●
MXF OP-Atom (AAF)	DV 25/50	●	●
	IMX	●	●
	XDCAM HD	●	●
	Panasonic AVC-Intra (Class 50/100)	●	●
	JPEG 2000	H	H
MXF AS-02	MPEG-2 Intra/ Long-GOP	●	●
	H.264 (AVC) Intra/ Long-GOP	●	●
	D10 (IMX 30/40/50)	●	●
	DV/DVCPPro/DVCPProHD	●	●
	Panasonic AVC-Intra (Class 50/100)	H	H
	Uncompressed 10-bit 4:2:2 Video (Interleaved CbYCrY)	●	●
	Uncompressed 8-bit 4:2:2 Video (Interleaved CbYCrY)	●	●
	Uncompressed 8-bit 4:2:2 Video (Interleaved YCbCr)	●	●
	Uncompressed 8-bit 4:2:2 Video (Planar YCbCr)	●	●
	Uncompressed 8-bit 4:2:0 Video (Planar YCbCr)	●	●
IMF	Panasonic AVC-Intra (Class 50/100)	H	H
	App 2/ App 2e (JPEG 2000) H H	H	H
IMF	App ProRes (RDD 45:2017)/ App DPP (TSP 2121-1)	H	H
	MPEG-2 I frame	●	●
MPEG-2 Transport Stream	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	●	●
	H.265 (HEVC)	●	●
	MPEG-2 Long-GOP	●	●
	D10 (IMX 30/40/50)	●	●
	MPEG-1 Video	●	●
MPEG-2 Program Stream	MPEG 1Layer 2 Audio, Dolby-D (AC-3, 5.1)	●	●
	MPEG-1 Video	●	●

FORMAT		TRANSCODE		
		In	Out	
ABR	HTTP Live Streaming (HLS)		●	
	MPEG-DASH (mp4)		●	
	JPEG 2000 (MJ2)	H		
	MPEG-2 Intra	●	●	
	MPEG-2 Long-GOP	●	●	
	D10 (IMX 30/40/50)	●	●	
	MPEG-1 Video		●	
	H.264 (AVC)		●	
	H.265 (HEVC)		H	
	DV/DVCPPro/DVCPProHD	●	●	
Elementary Streams	MPEG 1Layer 2 Audio	●	●	
	Dolby D (AC-3, 5.1)	●	●	
	WAV/BWAV	●	●	
	AIFF	●	●	
	System Stream	MPEG1 Video + MPEG-1 Layer 2 Audio		●
		MPEG-2 Intra	●	●
		MPEG-2 Long-GOP	●	●
		ProRes 422 Proxy/422 LT/422/422 HQ	●	●
		ProRes 4444/ 4444XQ	H	H
	Quicktime (MOV)	DNxHR	●	●
XDCAM HD		●	●	
XDCAM EX			●	
D10 (IMX 30/40/50)		●	●	
DV/DVCPPro/DVCPProHD		●	●	
H.264 (AVC)		●	●	
H.265 (HEVC)		●	●	
AAC		●	●	
Uncompressed 8-bit 4:2:2 Video (2VUY)		●	●	
Uncompressed 10-bit 4:2:2 Video (V210)		●	●	
Quicktime Reference	D10 (IMX 30/40/50)	●	●	
	MPEG-2 I frame/ Long-GOP	●	●	
	XDCAM HD	●	●	
GXF	MPEG-2	●		
	DV/DVCPPro/DVCPProHD	●		
LXF	MPEG-2	●		
MP4	H.263		●	
	H.264 (AVC)	●	●	
	H.265 (HEVC)	H	H	
	AAC (HC/ LC)	●	●	
Windows Media	VC-1	●	●	
	WM9	●	●	
WebM	VP8		●	
MKV	FFV1		●	
Camera RAW	RED RAW		●	
	NEF		●	
	Adobe DNG	●		
3GPP	H.263		●	
	H.264 (AVC)	●	●	
Images	DPX (up to 16 bits)	H		
	TIFF	TIFF	●	

- Resolutions to HD
- Resolution support beyond HD
- H = High Dynamic Range
- Not available in AmberFin Cloud

Supported Caption/Subtitle Formats

	OUTPUT												
	608	708	WST	STL	SCC	IMSC 1.0	IMSC 1.1	SMPTE-TT	EBU-TT	DPTT	ITT	WEBVTT	PNG
608	*	*			*	*		*					
708		*											
WST			*	*									
STL			*	*				MediaMate		MediaMate	MediaMate	MediaMate	MediaMate
SCC	*	*			*	*		*	MediaMate	MediaMate	MediaMate	MediaMate	
IMSC 1.0	*	*		*	*	*		*					
IMSC 1.1				*			*						
SMPTE-TT	*	*		*	*	*		*					
EBU-TT	*	*		*	*	*		*					
DPTT	*	*		*	*	*		*					
ITT													
WEBVTT													
SRT				MediaMate	MediaMate	MediaMate		MediaMate	MediaMate	MediaMate	MediaMate	MediaMate	MediaMate
PAC				MediaMate	MediaMate	MediaMate		MediaMate	MediaMate	MediaMate	MediaMate	MediaMate	MediaMate
CHK				MediaMate	MediaMate	MediaMate		MediaMate	MediaMate	MediaMate	MediaMate	MediaMate	MediaMate
SUB				MediaMate	MediaMate	MediaMate		MediaMate	MediaMate	MediaMate	MediaMate	MediaMate	MediaMate
890				MediaMate	MediaMate	MediaMate		MediaMate	MediaMate	MediaMate	MediaMate	MediaMate	MediaMate
XIF				MediaMate	MediaMate	MediaMate		MediaMate	MediaMate	MediaMate	MediaMate	MediaMate	MediaMate
CHEETAH				MediaMate	MediaMate	MediaMate		MediaMate	MediaMate	MediaMate	MediaMate	MediaMate	MediaMate

Core Management Functions

PILOT	Workflow Engine & Transcode Farm Controller	Browser-based interface for configuration and monitoring. Multi-instance and parallel task execution. Fully configurable media & metadata packaging capability driven by Transcode with Parameters XML & REST API. Includes transcode farm topology and control. Includes Web UI for transcode profile configuration.
KIOSK	Web Form UI	Configurable, browser-based, form UI. Camera card aware, including spanned clips and metadata, triggering AmberFin's Workflow Engine for processing.



With over three decades of innovation, Dalet empowers media-rich organizations to transform their production and distribution workflows – accelerating media operations, maximizing collaboration and creating higher value from content.

Find out more: [Contact us | dalet.com](https://www.dalet.com)

