

VIDEO & IMAGE CODECS		AUDIO CODECS
DV/DVCPPro/DVCPProHD MPEG-1 Video MPEG-2 Intra/ Long-GOP D10 (IMX 30/40/50) 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 SSiP Lite/SQ 4:2:2 AVCHD	H.265 (HEVC) DNxHD DNxHR ProRes 422 Proxy/422 LT/422/422 HQ ProRes 4444/ 4444XQ JPEG 2000, HTJ2K Uncompressed Video VC-1 WM9 VP8, VP9 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 HERO, 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
• 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 (NexGuard, Teletrax)	• 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 • Forensic Watermarking (NexGuard, Nielsen)	• BT.470/BT.601 (SD), BT.709 (HD) BT.2020 (UHD), P3/D65, P3/DCI, ACES • SDR (Gamma 2.4), Linear (passthrough only) • HDR10, HDR10+, Dolby Vision, PQ, HLG • Selectable Output Tone Mapping • Color Space Conversion (ACES only supported as input)
ANALYSIS & QC		TRANSPORT & STORAGE
• AmberFin Media Analyzer • Netflix Photon • Third-Party QC Automation (Tektronix Aurora, Tektronix Cerify, Interra Baton, Metagluue MXFixer, Nexidia QC, Venera Pulsar, Telestream Vidchecker)		• 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 MediaCentral Check-in

FORMAT		TRANSCODE	
		In	Out
AVI	DV/DVCP/DVCPProHD	●	
	Uncompressed 8-bit 4:2:2 Video (YUY2)	●	
MXF OP1a	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
	MPEG-4 SSiP Lite/SQ 4:2:2	●	
	DNxHD	●	●
	DNxHR	●	●
	ProRes 422 Proxy/422 LT/422/422 HQ	●	●
	ProRes 4444/ 4444XQ	H	H
	DV/DVCP/DVCPProHD	●	●
	D10 (IMX 30/40/50)	●	●
	MPEG 1Layer 2 Audio	●	●
	Dolby D (AC-3, 5.1)	●	●
	Uncompressed 10-bit 4:2:2 Video (Interleaved CbYCr)	●	●
	Uncompressed 8-bit 4:2:2 Video (Interleaved CbYCr)	●	●
	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	●	●
MXF OP-Atom (AAF)	DNxHD	●	●
	DNxHR	●	●
	DV 25/50	●	●
	IMX	●	●
	XDCAM HD	●	●
	Panasonic AVC-Intra (Class 50/100)	●	●
MXF AS-02	JPEG 2000	H	H
	MPEG-2 Intra/ Long-GOP	●	●
	H.264 (AVC) Intra/ Long-GOP	●	●
	D10 (IMX 30/40/50)	●	●
	DV/DVCP/DVCPProHD	●	●
	Panasonic AVC-Intra (Class 50/100)	H	H
	Uncompressed 10-bit 4:2:2 Video (Interleaved CbYCr)	●	●
	Uncompressed 8-bit 4:2:2 Video (Interleaved CbYCr)	●	●
	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)	●	●
	Panasonic AVC-Intra (Class 50/100)	H	H
IMF	App 2/ App 2e (JPEG 2000) H H	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	●	●
	H.265 (HEVC)	●	●
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	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)		●
	H.265 (HEVC)		H
	DV/DVCP/DVCPProHD	●	●
	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/DVCP/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/DVCP/DVCPProHD	●	
LXF	MPEG-2	●	
MP4	H.264 (AVC)	●	●
	H.265 (HEVC)	H	H
	AAC (HC/ LC)	●	●
Windows Media	VC-1	●	●
	WM9	●	●
WebM	VP8, VP9	●	●
MKV	FFV1	●	●
Camera RAW	RED RAW	●	
	ProRes RAW	●	
	NEF	●	
	Adobe DNG	●	
Images	DPX (up to 16 bits)	H	
	TIFF	TIFF	●

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

Supported Caption/Subtitle Formats

		OUTPUT												
		608	708	WST	STL	SCC	IMSC 1.0	IMSC 1.1	SMPTE-TT	EBU-TT	EBU-TT-D	DPTT	WebVTT	SRT
INPUT	608	*	*			*	*		*	*	*	*	*	*
	708		*											
	WST			*	*					*	*	*	*	*
	STL			*	*					*	*	*	*	*
	SCC	*	*			*	*		*	*	*	*	*	*
	IMSC 1.0	*	*			*	*		*	*	*	*	*	*
	IMSC 1.1							*						
	SMPTE-TT	*	*			*	*		*	*	*	*	*	*
	EBU-TT	*	*			*	*		*	*	*	*	*	*
	EBU-TT-D	*	*			*	*		*	*	*	*	*	*
	DPTT	*	*			*	*		*	*	*	*	*	*
	SRT	*	*	*	*	*	*		*	*	*	*	*	*

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.

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