

Vantage 7.1 Transcode/Transcode Pro

Encode Format Support

CONTAINER TYPE	VIDEO FORMAT	AUDIO FORMAT	608 CAPTIONS	708 CAPTIONS	ANCILLARY DATA	TIMECODE
Mobile, Web and Edit Formats						
AVI	Uncom. AVI Stream	MS ADPCM Codec	In-Band VBI (Line 21)			In-Band VITC
AVI	Uncom. AVI Stream	MS CCITT G711 A-Law and U-Law	In-Band VBI (Line 21)			In-Band VITC
AVI	Uncom. AVI Stream	MS IMA ADPCM	In-Band VBI (Line 21)			In-Band VITC
AVI	Uncom. AVI Stream	Uncompressed AVI Audio	In-Band VBI (Line 21)			In-Band VITC
FLV	Flash 8/VP6	MP3				
MP4	H.264	AAC-LC				
MP4	H.264	AAC				
QuickTime	Animation	AAC-LC	In-Band VBI (Line 21)			QuickTime Timecode Track or In-Band VTC
QuickTime	Animation	PCM	In-Band VBI (Line 21)			QuickTime Timecode Track or In-Band VTC
QuickTime	AVC-Intra	AAC-LC	QuickTime Caption Track			QuickTime Timecode Track
QuickTime	AVC-Intra	PCM	QuickTime Caption Track			QuickTime Timecode Track
QuickTime	BlackMagic 10-Bit ¹	AAC-LC				QuickTime Timecode Track
QuickTime	BlackMagic 10-Bit ¹	AAC-LC				QuickTime Timecode Track
QuickTime	DNxHD®	AAC-LC	QuickTime Caption Track			QuickTime Timecode Track
QuickTime	DNxHD®	PCM	QuickTime Caption Track			QuickTime Timecode Track
QuickTime	DV25/50	AAC-LC	QuickTime Caption Track			QuickTime Timecode Track
QuickTime	DV25/50	PCM	QuickTime Caption Track			QuickTime Timecode Track
QuickTime	DVCPRO HD	AAC-LC	QuickTime Caption Track			QuickTime Timecode Track
QuickTime	DVCPRO HD	PCM	QuickTime Caption Track			QuickTime Timecode Track
QuickTime	DVCPRO25/50	AAC-LC	QuickTime Caption Track			QuickTime Timecode Track
QuickTime	DVCPRO25/50	PCM	QuickTime Caption Track			QuickTime Timecode Track
QuickTime	H.264/AVC	AAC-LC	QuickTime Caption Track or In-Band VBI (Line 21)			QuickTime Timecode Track or In-Band VITC
QuickTime	H.264/AVC	PCM	QuickTime Caption Track or In-Band VBI (Line 21)			QuickTime Timecode Track or In-Band VITC
QuickTime	HDV	AAC-LC	QuickTime Caption Track			QuickTime Timecode Track
QuickTime	HDV	PCM	QuickTime Caption Track			QuickTime Timecode Track
QuickTime	IMX30/40/50	AAC-LC	QuickTime Caption Track or In-Band VBI (Line 21)			QuickTime Timecode Track or In-Band VITC
QuickTime	IMX30/40/50	PCM	QuickTime Caption Track or In-Band VBI (Line 21)			QuickTime Timecode Track or In-Band VITC

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Mobile, Web and Edit Formats , cont'd						
QuickTime	MJPEG-A/B	AAC-LC	In-Band VBI (Line 21)			QuickTime Timecode Track or In-Band VITC
QuickTime	MJPEG-A/B	PCM	In-Band VBI (Line 21)			QuickTime Timecode Track or In-Band VITC
QuickTime	MPEG-4	AAC-LC				QuickTime Timecode Track
QuickTime	MPEG-4	PCM				QuickTime Timecode Track
QuickTime	Photo JPEG	AAC-LC				QuickTime Timecode Track
QuickTime	Photo JPEG	PCM				QuickTime Timecode Track
QuickTime	ProRes SQ/HQ/LT/Proxy up to 4k	AAC-LC	QuickTime Caption Track	QuickTime Caption Track ⁵		QuickTime Timecode Track
QuickTime	ProRes SQ/HQ/LT/Proxy up to 4k	PCM	QuickTime Caption Track	QuickTime Caption Track ⁵		QuickTime Timecode Track
QuickTime	ProRes 4444 ⁵ up to 4k	AAC-LC	QuickTime Caption Track	QuickTime Caption Track ⁵		QuickTime Timecode Track
QuickTime	ProRes 4444 ⁵ up to 4k	PCM	QuickTime Caption Track	QuickTime Caption Track ⁵		QuickTime Timecode Track
QuickTime	Uncompressed Video	AAC-LC	In-Band VBI (Line 21)			QuickTime Timecode Track or In-Band VITC
QuickTime	Uncompressed Video	PCM	In-Band VBI (Line 21)			QuickTime Timecode Track or In-Band VITC
QuickTime	XDCAM HD	PCM	QuickTime Caption Track			QuickTime Timecode Track
QuickTime	XDCAM EX	PCM	QuickTime Caption Track			QuickTime Timecode Track
WMV	VC-1, WM7, WM8, WM9	WMA, WMA Pro	WMV Caption Stream			WMV Timecode or In-Band VITC
Audio-Only Formats						
BWAV ⁶		PCM				
F4A		AAC				
M2A		M2A				
MP3		MP3				
WAV		G.711 A-Law				
WAV		G.711 MU-Law				
WAV		PCM				
WMA		WMA				
MPEG-2 & MPEG-1 Formats						
MPEG1-SS	MPEG1	MPEG-1 Layer2				
MPEG2-ES .m2v	MPEG2	PCM				GOP Header Timecode
MPEG2-PS	MPEG2	Dolby Digital, Dolby 5.1	ATSC CEA 608 or Divicom CEA 608 or In_Band VBI (Line 21)	ATSC/DTV 9600 User Data		GOP Header Timecode or In-Band VITC
MPEG2-PS	MPEG2	MPEG-1 Layer 2	ATSC CEA 608 or Divicom CEA 608 or In_Band VBI (Line 21)	ATSC/DTV 9600 User Data		GOP Header Timecode or In-Band VITC

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Elementary Streams						
None	MPEG-2	WAV				
None	H.264	WAV				
None	AVC Intra	WAV				
Broadcasting, Cable and IPTV (only available in Pro versions)						
360 Systems	JPEG2000	PCM	608 in Anc	708 in Anc	Proprietary Anc track	File Header
AVI	Matrox MPEG-2	WAV				
Avid Transfer Engine Delivery ³	AVC-Intra	PCM				SOM
Avid Transfer Engine Delivery ³	DNxHD®	PCM				SOM
Avid Transfer Engine Delivery ³	DV25/50	PCM				SOM
Avid Transfer Engine Delivery ³	DVCPRO 25/50	PCM				SOM
Avid Transfer Engine Delivery ³	DVCProHD	PCM				SOM
Avid Transfer Engine Delivery ³	IMX30/40/50	PCM	In-Band VBI (Line 21)			SOM
Avid Transfer Engine Delivery ³	XDCAM HD 4:2:0 / 4:2:2	PCM				SOM
EVS	DNxHD®	PCM				
EVS	DVCPRO HD	PCM				
EVS	MJPEG	PCM				EVS Timecode
GXF	AVC-Intra	PCM	608 in Anc	708 in Anc	Anc track (SMPTE RDD-14)	UMF Material Description and Timecode Track
GXF	DV 25/50	PCM	DV Header (DV25 only)			UMF Material Description and Timecode Track
GXF	DVCPRO HD (DV 100)	PCM	608 in Anc	708 in Anc	Anc track (SMPTE RDD-14)	UMF Material Description and Timecode Track
GXF	MPEG-2 HD	PCM	608 in Anc	708 in Anc	Anc track (SMPTE RDD-14)	UMF Material Description and Timecode Track
GXF	MPEG-2 SD	PCM	Proprietary VBI User Data or In-Band VBI (Line 21) or GXF CC user data			UMF Material Description and Timecode Track
Harris LXF	AVC-Intra	PCM	608 in Anc	708 in Anc	Proprietary LXF VANC	LXF Header
Harris LXF	DV 25/50	PCM				LXF Header
Harris LXF	DVC Pro 25/50	PCM				LXF Header
Harris LXF	IMX	PCM	Proprietary VBI Data and In-Band VBI (Line 21)			LXF Header
Harris LXF	MPEG-2 HD	PCM	608 in Anc	708 in Anc	Proprietary LXF VANC	LXF Header
Harris LXF	MPEG-2 SD	PCM	Proprietary LXF VANC or In-Band VBI (Line 21)			LXF Header
Omneon mov or OP1a	DNxHD®	AIFF				Omneon Header
Omneon mov or OP1a	DNxHD®	WAV				Omneon Header
Omneon mov or OP1a	DV25/50	AIFF	DV Header			Omneon Header or DV Header

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Broadcasting, Cable and IPTV, cont'd						
Omneon mov or OP1a	DV25/50	WAV	DV Header			Omneon Header or DV Header
Omneon mov or OP1a	DVCPRO25/50	AIFF	DV Header			Omneon Header or DV Header
Omneon mov or OP1a	DVCPRO25/50	WAV	DV Header			Omneon Header or DV Header
Omneon mov or OP1a	IMX	AIFF	ATSC User Data or Proprietary VBI user data or In-Band VBI (Line 21)			Omneon Header or SMPTE 328 or In-Band VITC
Omneon mov or OP1a	IMX	WAV	ATSC User Data or SMPTE 328 or Proprietary VBI user data or In-Band VBI (Line 21)			Omneon Header or SMPTE 328 or In-Band VITC
Omneon mov or OP1a	MPEG-2 HD	AIFF	ATSC A/53 User Data	ATSC A/53 User Data	Anc user data SMPTE 328	Omneon Header or SMPTE 328
Omneon mov or OP1a	MPEG-2 HD	WAV	ATSC A/53 User Data	ATSC A/53 User Data	Anc user data SMPTE 328	Omneon Header or SMPTE 328
Omneon mov or OP1a	MPEG-2 SD	AIFF	ATSC User Data or Proprietary VBI user data or In-Band VBI (Line 21)			Omneon Header or SMPTE 328 or In-Band VITC
Omneon mov or OP1a	MPEG-2 SD	WAV	ATSC User Data or Proprietary VBI user data or In-Band VBI (Line 21)			Omneon Header or SMPTE 328 or In-Band VITC
Omneon OP1a	AVC-Intra	AIFF	608 in Anc	708 in Anc	ANC Data in SEI	Omneon Header
Omneon OP1a	AVC-Intra	WAV	608 in Anc	708 in Anc	ANC Data in SEI	Omneon Header
SeaChange	MPEG-2	AES	ATSC CEA 608 or In-Band VBI (Line 21)	Proprietary User Data 708		SOM (SAF files) or Private Data or In-Band VITC
SeaChange	MPEG-2	MPEG-1 Layer 2	ATSC CEA 608 or In-Band VBI or (Line 21)	Proprietary User Data 708		SOM (SAF files) or Private Data or In-Band VITC
SeaChange SAF	MPEG-2	AES	In-Band VBI (Line 21)			In-Band VITC
SeaChange SAF	MPEG-2	MPEG-1 Layer 2	In-Band VBI (Line 21)			In-Band VITC

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MXF (only available in Pro versions)						
MXF OP1A	Avid DNxHD®	PCM	608 in Anc	708 in Anc	Anc track SMPTE 436M	Material Package
MXF OP1A	DV25/50	PCM	SMPTE 436M	708 in Anc	Anc track SMPTE 436M	Material Package
MXF OP1A	DVCPRO 25/50	PCM	SMPTE 436M	708 in Anc	Anc track SMPTE 436M	Material Package
MXF OP1A	DVCPRO HD	PCM	608 in Anc	708 in Anc	Anc track SMPTE 436M	Material Package
MXF OP1A	IMX 30/40/50	PCM	In-Band VBI (Line 21)			Material Package or In-Band VITC
MXF OP1A	JPEG 2000 up to 4k (lossy and lossless) ⁵	PCM	608 in Anc	708 in Anc	Anc track SMPTE 436M	Material Package
MXF OP1A	MPEG2- for K2	PCM	SMPTE 436M or In-Band VBI (Line 21)		Anc track SMPTE 436M	Material Package
MXF OP1A	MPEG-2 for Nexio	PCM	608 in Anc	708 in Anc	Anc track SMPTE 436M	Material Package
MXF OP1A	XDCAM	PCM	608 in Anc	708 in Anc	Anc track SMPTE 436M	Material Package
MXF OP1A	XDCAM HD	PCM	608 in Anc	708 in Anc	Anc track SMPTE 436M	Material Package
MXF AS02 (AMWA)	AVC Intra	PCM				
MXF AS02 (AMWA)	DV	PCM				
MXF AS02 (AMWA)	DVCPRO	PCM				
MXF AS02 (AMWA)	DVCPRO HD	PCM				
MXF AS02 (AMWA)	MPEG-2	PCM				
MXF AS02 (AMWA)	JPEG 2000 up to 4k (Lossy and Lossless) ⁵	PCM				
MXF AS02 (AMWA)	AVC-Intra 100	PCM				
MXF AS11 (AMWA / DPP)	AVC-Intra 100	PCM				
MXF AS11 (AMWA / DPP)	IMX 50	PCM				
MXF IMF Application 2 ⁵	JPEG 2000 up to 4k	PCM				
MXF OP1B (P2 / AVC Ultra) ⁵	AVC Ultra Long G 25	PCM				
MXF OPAtom + XML (P2)	AVC-Intra 100	PCM				
MXF OPAtom + XML (P2)	AVC-Intra 50	PCM				
MXF OPAtom + XML (P2)	DV	PCM				
MXF OPAtom + XML (P2)	DVCPRO	PCM				
MXF OPAtom + XML	DVCPRO HD	PCM				
MXF OPAtom Avid ⁴	Avid DNxHD®	PCM	User Data			
MXF OPAtom Avid ⁴	DV	PCM				
MXF OPAtom Avid ⁴	DVCPRO 25/50	PCM				
MXF OPAtom Avid ⁴	IMX 30/40/50	PCM				
MXF OPAtom Avid ⁴	XDCAM HD	PCM				
MXF OPAtom Avid ⁴	Avid H.264 Proxy	PCM				
MXF OPAtom Avid ⁴	JFIF Proxy 15:1	PCM				

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Telestream TIFO						
TIFO	DV 25/50	PCM	TIFO ANC	TIFO ANC	TIFO ANC	TIFO ANC
TIFO	DVCPro 25/50	PCM	TIFO ANC	TIFO ANC	TIFO ANC	TIFO ANC
TIFO	IMX 30/40/50	PCM	TIFO ANC	TIFO ANC	TIFO ANC	TIFO ANC
TIFO	ProRes 422	PCM	TIFO ANC	TIFO ANC	TIFO ANC	TIFO ANC

¹ Requires installation of 3rd party components

² For more comprehensive adaptive streaming support including captions, please refer to Vantage Transcode Multiscreen

³ Requires use of Avid Transfer Engine Integration, included in Connect Pro.

⁴ Requires use of AAF Encoder and Avid Interplay Web Services

⁵ Software update may be required, please contact Telestream support.

