

Supported codecs and containers

For [2.4.33](#) and newer.

Abbreviations:

- **D** - Non realtime decoding, Import, File ingest
- **E** - Non realtime encoding, Export
- **P** - Realtime playback
- **R** - Realtime recording

SD video codecs and containers

Container	DV/DVCPRO	IMX (30/40/50)	MPEG2 (I-Frame/Long GOP)	H264 L(I-Frame, Long GOP)	PRORES (HQ/SD/LT)
AVI	D E P R	D E P R	D E P R	D E P R	D E P R
MOV	D E P R	D E P R	D E P R	D E P R	D E P R
MP4		D E P R	D E P R	D E P R	
DV	D E P R				
MPG			D E P R	D E P R	
MXF-D10		D E P R			
FLV				D E P R	
MXF-OP1A	D E P R	D E P R	D E P R	D E P R	D E P R
GXF	D E P R		D E P R		
TS			D E P R	D E P R	

HD video codecs and containers

Container	DVCPROHD100	XDCAM (EX/HD/HD422)	MPEG2 (I-Frame/Long GOP)	H264 L(I-Frame, Long GOP)	PRORES (HQ/SD/LT)	AVCI (50/100)	DNxHD
AVI	D E P R	D E P R	D E P R	D E P R	D E P R	D E P R	D E P R
MOV	D E P R	D E P R	D E P R	D E P R	D E P R	D E P R	D E P R
MP4		D E P R	D E P R	D E P R		D E P R	
DV	D E P R						
MPG			D E P R	D E P R			
FLV				D E P R			
MXF-OP1A	D E P R	D E P R	D E P R	D E P R	D E P R	D E P R	D E P R
GXF	D E P R	D E P R	D E P R				
TS			D E P R	D E P R			

UHD video codecs and containers

Actual codec support depends on the frame rate.

Container	X264 (10bit, 8bit)	XAVC (I-frames, Long GOP)	PRORES (SQ,HQ)	PRORES (444)	DNxHR (SQ,HQ)	DNxHR (HQX)	HEVC (10bit,8bit)	HEVC (nvenc)
MOV	DEPR	DEPR	DEPR	DE	DEPR	DEP	DEP	R
MP4	DEPR	DEPR					DEP	R
AVI	DEPR	DEPR	DEPR	DE	DEPR	DEP	DEP	R
TS	DER	DER					DE	R
MXF-OP1a	DEPR	DEPR	DEPR	DE	DEPR	DEP		

Video codecs with transparency support

- TGA Sequence
- PNG Sequence
- QuickTime RLE
- Skylark JPGA

Audio codecs

- RAW PCM
- ADPCM
- MPEG 1 Layer II
- MPEG 1 Layer III
- Dolby AC-3
- AAC
- Ogg Vorbis

Still Images

- JPEG
- TGA
- PNG

Codecs and containers compatibility

Container	Codec
AVI	DV25, DVCPRO25, DVCPRO50, DVCPROHD100, HDV, IMX (30/40/50), XDCAM EX (SP/HQ), XDCAM HD(LP/SP/HQ/422), MPEG2, AVCHD, H264, AVCI (50/100), DNXHD, PRORES (HQ/SD/LT/PX), HEVC
MOV	DV25, DVCPRO25, DVCPRO50, DVCPROHD100, HDV, IMX (30/40/50), XDCAM EX (SP/HQ), XDCAM HD(LP/SP/HQ/422), MPEG2, AVCHD, H264, AVCI (50/100), DNXHD, PRORES (HQ/SD/LT/PX), HEVC
MP4	HDV, IMX (30/40/50), XDCAM EX (SP/HQ), XDCAM HD(LP/SP/HQ/422), MPEG2, AVCHD, H264, AVCI (50/100), HEVC
DV/DIFF	DV25, DVCPRO25, DVCPRO50, DVCPROHD100
MPEG2 PS (MPG)	MPEG2

Container	Codec
MXF-D10	IMX (30/40/50)
FLV	AVCHD, H264
MXF-OP1a before 2.6.x	DV25, DVCPRO25, DVCPRO50, DVCPROHD100, HDV, XDCAM EX (SP/HQ), XDCAM HD(LP/SP/HQ/422), MPEG2
MXF-OP1a after 2.6.x	• DV25, DVCPRO50, DVCPROHD100 • IMX-30/40/50, • XDCAM-EX, XDCAM-HD, XDCAM-HD422, • MPEG2 I-Frames, MPEG2 Long-Gop • AVC-Intra 50, AVC-Intra 100, XAVC I-Frames, XAVC Long-Gop • H264 I-Frames, H264 Long-Gop • DNXHD, DNXHR • PRORES
GXF	DV25, DVCPRO25, DVCPRO50, DVCPROHD100, XDCAM EX (SP/HQ), XDCAM HD(LP/SP/HQ/422), MPEG2
MPEG2 TS (TS)	MPEG2, H264, HEVC

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