DaVinci Resolve Supported Formats and Codecs

Contents

Supported Video Formats and Codecs

Format	File Ex.	Codec	Mac OS Decode	Mac OS Encode	Windows 10 Decode	Windows 10 Encode	Linux Decode	Linux Encode
ArriRaw	ari	ARRI 12 bit	Yes	–	Yes	–	Yes	–
ArriRaw	mxf	ARRI 12 bit	Yes	–	Yes	–	Yes	–
AVC HD	mts	Canon C100 8 bit, C100 Mk2, XA15, XA11, XA35, XA30	Yes	–	Yes	–	Yes	–
AVC Intra HD	mxf	Canon C100 8 bit	Yes	–	Yes	–	Yes	–
AVCHD	mts	Panasonic P2 8 bit	Yes	–	Yes	–	Yes	–
AVI	avi	Cineform YUV 10 bit	Yes	Yes	Yes	Yes	Yes	–
AVI	avi	Uncompressed RGB 10 bit	Yes	Yes	Yes	Yes	Yes	Yes
AVI	avi	Uncompressed YUV 8 & 10 bit	Yes	Yes	Yes	Yes	Yes	Yes
CINE	cin	10, 12 & 14 bit	Yes	–	Yes	–	Yes	–
CinemaDNG	dng	Compressed & uncompressed 12 & 16 bit	Yes	–	Yes	–	Yes	–
Cinema RAW Light	crm	Canon RAW Light	Yes	–	Yes	–	Yes	–
Cinema RAW	rmf	Canon Raw	Yes	–	Yes	–	Yes	–
Cineon	cin	10 bit	Yes	Yes	Yes	Yes	Yes	Yes
DNG	dng	12 & 16 bit	Yes	–	Yes	–	Yes	–
DPX	dpx	8, 10, 12 & 16 bit	Yes	Yes	Yes	Yes	Yes	Yes
DPX	dpx	Alpha, RGBA 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
DPX	dpx	Grayscale 8, 10 & 16 bit	Yes	–	Yes	–	Yes	–
DPX	dpx	Half Float 16 bit	Yes	Yes	Yes	Yes	Yes	Yes
DPX	cdx	Action Cam Raw	Yes	–	Yes	–	Yes	–
easyDCP	dcp	2K DCI 12 bit	Yes[1]	Yes[1]	Yes[1]	Yes[1]	Yes[1]	Yes[1]
easyDCP	dcp	2K DCI Flat 12 bit	Yes[1]	Yes[1]	Yes[1]	Yes[1]	Yes[1]	Yes[1]
easyDCP	dcp	2K DCI Scope 12 bit	Yes[1]	Yes[1]	Yes[1]	Yes[1]	Yes[1]	Yes[1]
easyDCP	dcp	4K DCI 12 bit	Yes[1]	Yes[1]	Yes[1]	Yes[1]	Yes[1]	Yes[1]
easyDCP	dcp	4K DCI Flat 12 bit	Yes[1]	Yes[1]	Yes[1]	Yes[1]	Yes[1]	Yes[1]
easyDCP	dcp	4K DCI Scope 12 bit	Yes[1]	Yes[1]	Yes[1]	Yes[1]	Yes[1]	Yes[1]
easyDCP	mxf	IMF Extended	Yes[1]	Yes[1]	Yes[1]	Yes[1]	Yes[1]	Yes[1]
easyDCP	mxf	IMF Standard	Yes[1]	Yes[1]	Yes[1]	Yes[1]	Yes[1]	Yes[1]
JPEG	jpg	8 bit	Yes	–	Yes	–	Yes	–
JPEG 2000	j2c	2K & 4K DCI, Scope, Flat 12 bit	Yes	Yes	Yes	Yes	Yes	Yes
MPEG 2	mts	AVCHD	Yes	–	Yes	–	Yes	–
MPEG 2	m2ts	AVCHD	Yes	–	Yes	–	Yes	–
MP4	mp4	H.264	Yes	Yes	Yes	Yes	Yes	–
MXF OP-Atom	mxf	1080i Avid 1:1 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	Apple ProRes	Yes	–	Yes	–	Yes	–
MXF OP-Atom	mxf	DNxHD 1080i 100 8 bit	Yes	Yes	Yes	Yes	Yes	Yes

[1] With watermark without easyDCP license.

Supported Video Formats and Codecs

Format	File Ex.	Codec	Mac OS		Windows 10		Linux	
			Decode	Encode	Decode	Encode	Decode	Encode
MXF OP-Atom	mxf	DNxHD 1080i 145/120/115 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	DNxHD 1080i 220/185/175 10 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	DNxHD 1080i 220/185/175 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	DNxHD 1080p 100/85/80 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	DNxHD 1080p 145/120/115 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	DNxHD 1080p 220/185/175 10 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	DNxHD 1080p 220/185/175 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	DNxHD 1080p 36 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	DNxHD 1080p 444	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	DNxHD 720p 100/85/55/45 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	DNxHD 720p 145/120/75/60 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	DNxHD 720p 220/185/110/90 10 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	DNxHD 720p 220/185/110/90 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	DNxHR 444	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	DNxHR High Quality 10 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	DNxHR High Quality 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	DNxHR Low Bandwidth	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	DNxHR Standard Quality	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	NTSC Avid 1:1 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	PAL Avid 1:1 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	RGB 1080i Avid 1:1 10 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	RGB 1080p Avid 1:1 10 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	Uncompressed RGB MXF (1:1) 1080i 10 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	Uncompressed RGB MXF (1:1) 1080p 10 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	Uncompressed YUV 1080i UYVY 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	Uncompressed YUV MXF (1:1) UYVY 10 bit	Ye	–	Yes	–	Yes	–
MXF OP-Atom	mxf	Uncompressed YUV MXF (1:1) UYVY 8 bit	Yes	–	Yes	–	Yes	–
MXF OP-Atom	mxf	Uncompressed YUV NTSC UYVY 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	Uncompressed YUV PAL UYVY 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP-Atom	mxf	XDCAM MPEG2	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	1080i Avid 1:1 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	Apple ProRes	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Alexa Mini	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Canon EOS C300 8 bit	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	DNxHD 1080i 100 8 bit	Yes	Yes	Yes	Yes	Yes	Yes

Supported Video Formats and Codecs

Format	File Ex.	Codec	Mac OS Decode	Mac OS Encode	Windows 10 Decode	Windows 10 Encode	Linux Decode	Linux Encode
MXF OP1A	mxf	DNxHD 1080i 145/120/115 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	DNxHD 1080i 220/185/175 10 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	DNxHD 1080i 220/185/175 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	DNxHD 1080p 100/85/80 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	DNxHD 1080p 145/120/115 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	DNxHD 1080p 220/185/175 10 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	DNxHD 1080p 220/185/175 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	DNxHD 1080p 36 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	DNxHD 1080p 444	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	DNxHD 720p 100/85/55/45 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	DNxHD 720p 145/120/75/60 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	DNxHD 720p 220/185/110/90 10 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	DNxHD 720p 220/185/110/90 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	DNxHR 444	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	DNxHR High Quality 10 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	DNxHR High Quality 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	DNxHR Standard Quality	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	DNxHR Low Bandwidth	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	NTSC Avid 1:1 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	PAL Avid 1:1 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	Panasonic XAVC-I 4K Varicam 35 MPEG4 10 bit	Yes	—	Yes	—	Yes	—
MXF OP1A	mxf	RGB 1080i Avid 1:1 10 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	RGB 1080p Avid 1:1 10 bit	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	Sony F55, X-OCN LT	Yes	—	Yes	—	Yes	—
MXF OP1A	mxf	Sony F55, X-OCN ST	Yes	—	Yes	—	Yes	—
MXF OP1A	mxf	Sony FS700, Z100 8 & 16 bit	Yes	—	Yes	—	Yes	—
MXF OP1A	mxf	Sony MPEG4 422 (255Mbit)	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	Sony MPEG4 422 (450Mbit)	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	Sony MPEG4 444 (450Mbit)	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	Sony XAVC Intra CBG 100 1280x720	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	Sony XAVC Intra CBG 100 1920x1080	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	Sony XAVC Intra CBG 100 2040x1080	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	Sony XAVC Intra CBG 200 1920x1080	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	Sony XAVC Intra CBG 300 3840x2160	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	Sony XAVC Intra CBG 300 4096x2160	Yes	Yes	Yes	Yes	Yes	Yes

Supported Video Formats and Codecs

Format	File Ex.	Codec	Mac OS Decode	Mac OS Encode	Windows 10 Decode	Windows 10 Encode	Linux Decode	Linux Encode
MXF OP1A	mxf	Sony XAVC Intra CBG 480 3840x2160	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	Sony XAVC Intra CBG 480 4096x2160	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	Sony XAVC Intra CBG 50 1440x1080	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	Sony XAVC Intra VBR 100 2048x1080	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	Sony XAVC Intra VBR 300 3840x2160	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	Sony XAVC Intra VBR 300 4096x2160	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	Sony XAVC Intra VBR 480 3840x2160	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	Sony XAVC Intra VBR 480 4096x2160	Yes	Yes	Yes	Yes	Yes	Yes
MXF OP1A	mxf	Sony XDCAM EX HQ 4:2:0 1080i25 (35 Mb/s VBR)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM EX HQ 4:2:0 1080i59.94 (35 Mb/s VBR)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM EX HQ 4:2:0 1080p23.98 (35 Mb/s VBR)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM EX HQ 4:2:0 1080p25 (35 Mb/s VBR)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM EX HQ 4:2:0 1080p29.97 (35 Mb/s VBR)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM EX HQ 4:2:0 720p23.98 (35 Mb/s VBR)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM EX HQ 4:2:0 720p25 (35 Mb/s VBR)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM EX HQ 4:2:0 720p29.97 (35 Mb/s VBR)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM EX HQ 4:2:0 720p50 (35 Mb/s VBR)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM EX HQ 4:2:0 720p59.94 (35 Mb/s VBR)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM EX SP 4:2:0 1080p23.98 (25 Mb/s CBR)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM EX SP 4:2:0 1080p25 (25 Mb/s CBR)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM EX SP 4:2:0 1080p29.97 (25 Mb/s CBR)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM HD HQ 4:2:0 1080i50 (35 Mb/s)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM HD HQ 4:2:0 1080i59.94 (35 Mb/s)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM HD HQ 4:2:0 1080p23.98 (35 Mb/s)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM HD HQ 4:2:0 1080p25 (35 Mb/s)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM HD HQ 4:2:0 1080p29.97 (35 Mb/s)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM HD HQ 4:2:2 1080i50 (50 Mb/s)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM HD HQ 4:2:2 1080p23.98 (50 Mb/s)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM HD HQ 4:2:2 1080p25 (50 Mb/s)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM HD HQ 4:2:2 1080p29.97 (50 Mb/s)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM HD HQ 4:2:2 1080p59.94 (50 Mb/s)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM HD HQ 4:2:2 720p23.98 (50 Mb/s)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM HD HQ 4:2:2 720p25 (50 Mb/s)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM HD HQ 4:2:2 720p29.97 (50 Mb/s)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM HD HQ 4:2:2 720p50 (50 Mb/s)	Yes	–	Yes	–	Yes	–

Supported Video Formats and Codecs

Format	File Ex.	Codec	Mac OS Decode	Mac OS Encode	Windows 10 Decode	Windows 10 Encode	Linux Decode	Linux Encode
MXF OP1A	mxf	Sony XDCAM HD HQ 4:2:2 720p59.94 (50 Mb/s)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM HD LP 4:2:0 1080i50 (18 Mb/s CBR)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM HD LP 4:2:0 1080i59.94 (18 Mb/s CBR)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM HD LP 4:2:0 1080p23.98 (18 Mb/s CBR)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM HD LP 4:2:0 1080p25 (18 Mb/s CBR)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM HD LP 4:2:0 1080p29.97 (18 Mb/s CBR)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM HD SP 4:2:0 1080p23.98 (25 Mb/s)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM HD SP 4:2:0 1080p25 (25 Mb/s)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	Sony XDCAM HD SP 4:2:0 1080p29.97 (25 Mb/s)	Yes	–	Yes	–	Yes	–
MXF OP1A	mxf	XDCAM MPEG2	Yes	Yes	Yes	Yes	Yes	Yes
Nikon RAW	nef	Nikon Electronic Format	Yes	–	Yes	–	Yes	–
OpenEXR	exr	Compressed DWAA & QWAB	Yes	Yes	Yes	Yes	Yes	Yes
OpenEXR	exr	Compressed ZIP, RLE & PIZ formats 16 bit	Yes	Yes	Yes	Yes	Yes	Yes
OpenEXR	exr	Multiple Layer ZIP, RLE & PIZ formats 16 bit	Yes	–	Yes	–	Yes	–
OpenEXR	exr	Uncompressed RGB 16 bit	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	Apple ProRes 422	Yes	Yes	Yes	–	Yes	Yes[2]
Quicktime	mov	Apple ProRes 422 (HQ)	Yes	Yes	Yes	–	Yes	Yes[2]
Quicktime	mov	Apple ProRes 422 (LT)	Yes	Yes	Yes	–	Yes	Yes[2]
Quicktime	mov	Apple ProRes 422 (Proxy)	Yes	Yes	Yes	–	Yes	Yes[2]
Quicktime	mov	Apple ProRes 4444 RGBA 16 bit	Yes	Yes	Yes	–	Yes	Yes[2]
Quicktime	mov	Apple ProRes 4444 XQ 16 bit	Yes	Yes	Yes	–	Yes	Yes[2]
Quicktime	mov	Cineform 3D 16 bit	Yes	–	Yes	–	Yes	–
Quicktime	mov	Cineform RGB 10 & 16 bit	Yes	Yes	Yes	Yes	Yes	–
Quicktime	mov	Cineform YUV 10 bit	Yes	Yes	Yes	Yes	Yes	–
Quicktime	mov	DNxHD 1080i 100 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	DNxHD 1080i 145/120/115 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	DNxHD 1080i 220/185/175 10 bit	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	DNxHD 1080i 220/185/175 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	DNxHD 1080p 100/85/80 100 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	DNxHD 1080p 145/120/115 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	DNxHD 1080p 220/185/175 10 bit	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	DNxHD 1080p 220/185/175 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	DNxHD 1080p 36 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	DNxHD 444 1080p	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	DNxHD 720p 100/85/55/45 100 8 bit	Yes	Yes	Yes	Yes	Yes	Yes

[2] Requires Advance Panel License Dongle.

Supported Video Formats and Codecs

Format	File Ex.	Codec	Mac OS		Windows 10		Linux	
			Decode	Encode	Decode	Encode	Decode	Encode
Quicktime	mov	DNxHD 720p 145/120/75/60 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	DNxHD 720p 220/185/110/90 10 bit	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	DNxHD 720p 220/185/110/90 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	DNxHR Low Bandwidth	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	DNxHR Standard Quality	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	DNxHR 444	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	DNxHR High Quality 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	DNxHR High Quality 10 bit	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	Grass Valley HQ 1920x1080	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	Grass Valley HQ 1440x1080	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	Grass Valley HQ 1280x1080	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	Grass Valley HQ 1280x720	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	Grass Valley HQ 720x576	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	Grass Valley HQ 720x486	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	Grass Valley HQ 720x480	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	Grass Valley HQ 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	Grass Valley HQX 16 bit	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	H.264	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	H.264 8 bit	Yes	Yes	Yes	Yes	Yes	–
Quicktime	mov	HEVC H.265	Yes	–	–	–	–	–
Quicktime	mov	Motion JPEG 8 bit	Yes	–	Yes	–	Yes	Yes
Quicktime	mov	Motion JPEG A 8 bit	–	–	–	–	Yes	Yes
Quicktime	mov	MPEG4	–	–	–	–	Yes	Yes
Quicktime	mov	MPEG4 8 bit	Yes	–	Yes	–	Yes	–
Quicktime	mov	MPEG4 Video	–	–	Yes	Yes	–	–
Quicktime	mov	Photo JPEG	Yes	Yes	Yes	Yes	Yes	–
Quicktime	mov	Uncompressed ARGB 8 bit	Yes	Yes	–	–	–	–
Quicktime	mov	Uncompressed BGRA, ARGB 8 bit	Yes	Yes	Yes	Yes	Yes	–
Quicktime	mov	Uncompressed RGB 10 bit	Yes	Yes	Yes	Yes	Yes	–
Quicktime	mov	Uncompressed RGB 8 bit	Yes	Yes	Yes	Yes	Yes	Yes
Quicktime	mov	Uncompressed YUV (UYVY) 8 & 10 bit	Yes	Yes	Yes	Yes	Yes	–
Quicktime	mov	VP9 420 8-bit	Yes	Yes	Yes	–	–	–
Quicktime	mov	VP9 422 8-bit	Yes	Yes	Yes	–	–	–
Quicktime	mov	VP9 420 10-bit	Yes	Yes	Yes	–	–	–
Quicktime	mov	VP9 422 10-bit	Yes	Yes	Yes	–	–	–

Supported Video Formats and Codecs

Format	File Ex.	Codec	Mac OS Decode	Mac OS Encode	Windows 10 Decode	Windows 10 Encode	Linux Decode	Linux Encode
Quicktime	mov	VP9 420 12-bit	Yes	Yes	Yes	–	–	–
Quicktime	mov	VP9 422 12-bit	Yes	Yes	Yes	–	–	–
Quicktime	mov	XAVC MPEG4	Yes	–	Yes	–	Yes	–
Quicktime	mp4	H.264	Yes	–	Yes	–	Yes	–
Quicktime	mp4	H.264 (Sony XAVCs)	Yes	–	Yes	–	Yes	–
Quicktime	mp4	HEVC H.265	Yes	–	Yes	–	Yes	–
RED	r3d	8, 10 & 16 bit & HDRx	Yes	–	Yes	–	Yes	–
RED	r3d	Monochrome 8, 10 & 16 bit	Yes	–	Yes	–	Yes	–
TIFF	tif	RGB 8 & 16 bit	Yes	Yes	Yes	Yes	Yes	Yes
TIFF	tif	RGB, LZW compressed 8 & 16 bit	Yes	Yes	Yes	Yes	Yes	Yes
TIFF	tif	XYZ 16 bit	Yes	Yes	Yes	Yes	Yes	Yes
TIFF	tif	XYZ LZW compressed 16 bit	Yes	Yes	Yes	Yes	Yes	Yes
VRV	vrw	Panasonic Raw 10 bit	Yes	–	Yes	–	Yes	–

Specifications format and codec support subject to change without notice.

Supported Video Formats and Codecs types available with Final Cut Pro X installed

Format	File Ex.	Codec	Mac OS Decode	Mac OS Encode	Windows 10 Decode	Windows 10 Encode	Linux Decode	Linux Encode
Quicktime	mov	Apple MPEG IMX NTSC 525/60 30 Mb/s	Yes	–	–	–	–	–
Quicktime	mov	Apple MPEG IMX PAL 625/50 30 Mb/s	Yes	–	–	–	–	–
Quicktime	mov	Apple MPEG IMX NTSC 525/60 40 Mb/s	Yes	–	–	–	–	–
Quicktime	mov	Apple MPEG IMX PAL 625/50 40 Mb/s	Yes	–	–	–	–	–
Quicktime	mov	Apple MPEG IMX NTSC 525/60 50 Mb/s	Yes	–	–	–	–	–
Quicktime	mov	Apple MPEG IMX PAL 625/50 50 Mb/s	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM EX 720p24 (35 Mb/s VBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM EX 720p25 (35 Mb/s VBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM EX 720p30 (35 Mb/s VBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM EX 720p50 (35 Mb/s VBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM EX 720p60 (35 Mb/s VBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM EX 1080i50 (35 Mb/s VBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM EX 1080i60 (35 Mb/s VBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM EX 1080p24 (35 Mb/s VBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM EX 1080p25 (35 Mb/s VBR)	Yes	–	–	–	–	–

Supported Video Formats and Codecs types available with Final Cut Pro X installed

Format	File Ex.	Codec	Mac OS Decode	Mac OS Encode	Windows 10 Decode	Windows 10 Encode	Linux Decode	Linux Encode
Quicktime	mov	Apple XDCAM EX 1080p30 (35 Mb/s VBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM HD 4:2:0 1080i50 (35 Mb/s CBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM HD 4:2:0 1080i50 (35 Mb/s VBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM HD 4:2:0 1080i60 (35 Mb/s CBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM HD 4:2:0 1080i60 (35 Mb/s VBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM HD 4:2:0 1080p24 (35 Mb/s CBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM HD 4:2:0 1080p24 (35 Mb/s VBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM HD 4:2:0 1080p25 (35 Mb/s CBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM HD 4:2:0 1080p25 (35 Mb/s VBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM HD 4:2:0 1080p30 (35 Mb/s CBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM HD 4:2:0 1080p30 (35 Mb/s VBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM HD 4:2:2 720p50 (50 Mb/s CBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM HD 4:2:2 720p60 (50 Mb/s CBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM HD 4:2:2 1080i50 (50 Mb/s CBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM HD 4:2:2 1080i60 (50 Mb/s CBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM HD 4:2:2 1080p24 (50 Mb/s CBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM HD 4:2:2 1080p25 (50 Mb/s CBR)	Yes	–	–	–	–	–
Quicktime	mov	Apple XDCAM HD 4:2:2 1080p30 (50 Mb/s CBR)	Yes	–	–	–	–	–
Quicktime	mov	DV NTSC	Yes	–	–	–	–	–
Quicktime	mov	DV NTSC 23.98	Yes	–	–	–	–	–
Quicktime	mov	DV NTSC 24	Yes	–	–	–	–	–
Quicktime	mov	DV NTSC Anamorphic	Yes	–	–	–	–	–
Quicktime	mov	DV PAL	Yes	–	–	–	–	–
Quicktime	mov	DV PAL 23.98	Yes	–	–	–	–	–
Quicktime	mov	DV PAL 24	Yes	–	–	–	–	–
Quicktime	mov	DV PAL 24@25	Yes	–	–	–	–	–
Quicktime	mov	DV PAL Anamorphic	Yes	–	–	–	–	–
Quicktime	mov	DV50 NTSC	Yes	–	–	–	–	–
Quicktime	mov	DV50 NTSC 23.98	Yes	–	–	–	–	–
Quicktime	mov	DV50 NTSC Anamorphic	Yes	–	–	–	–	–
Quicktime	mov	DV50 PAL	Yes	–	–	–	–	–
Quicktime	mov	DV50 PAL Anamorphic	Yes	–	–	–	–	–
Quicktime	mov	DVCPRO PAL	Yes	–	–	–	–	–
Quicktime	mov	DVCPRO PAL Anamorphic	Yes	–	–	–	–	–
Quicktime	mov	DVCPRO PAL Superwhite	Yes	–	–	–	–	–

Supported Video Formats and Codecs types available with Final Cut Pro X installed

Format	File Ex.	Codec	Mac OS Decode	Mac OS Encode	Windows 10 Decode	Windows 10 Encode	Linux Decode	Linux Encode
Quicktime	mov	DVCPRO HD 720p24	Yes	–	–	–	–	–
Quicktime	mov	DVCPRO HD720p25	Yes	–	–	–	–	–
Quicktime	mov	DVCPRO HD720p30	Yes	–	–	–	–	–
Quicktime	mov	DVCPRO HD 720p50	Yes	–	–	–	–	–
Quicktime	mov	DVCPRO HD 720p60	Yes	–	–	–	–	–
Quicktime	mov	DVCPRO HD 1080i50	Yes	–	–	–	–	–
Quicktime	mov	DVCPRO HD 1080i60	Yes	–	–	–	–	–
Quicktime	mov	DVCPRO HD 1080p24	Yes	–	–	–	–	–
Quicktime	mov	DVCPRO HD 1080p30	Yes	–	–	–	–	–
Quicktime	mov	HDV 720p24	Yes	–	–	–	–	–
Quicktime	mov	HDV 720p25	Yes	–	–	–	–	–
Quicktime	mov	HDV 720p30	Yes	–	–	–	–	–
Quicktime	mov	HDV 720p50	Yes	–	–	–	–	–
Quicktime	mov	HDV 720p60	Yes	–	–	–	–	–
Quicktime	mov	HDV 1080i50	Yes	–	–	–	–	–
Quicktime	mov	HDV 1080i60	Yes	–	–	–	–	–
Quicktime	mov	HDV 1080p23.98	Yes	–	–	–	–	–
Quicktime	mov	HDV 1080p24	Yes	–	–	–	–	–
Quicktime	mov	HDV 1080p25	Yes	–	–	–	–	–
Quicktime	mov	HDV 1080p30	Yes	–	–	–	–	–
Quicktime	mov	AVC-Intra 50M 720p24/30/60	Yes	–	–	–	–	–
Quicktime	mov	AVC-Intra 50M 720p25/50	Yes	–	–	–	–	–
Quicktime	mov	AVC-Intra 50M 1080p24/30/60	Yes	–	–	–	–	–
Quicktime	mov	AVC-Intra 50M 1080p25/50	Yes	–	–	–	–	–
Quicktime	mov	AVC-Intra 50M 1080i50	Yes	–	–	–	–	–
Quicktime	mov	AVC-Intra 50M 1080i60	Yes	–	–	–	–	–
Quicktime	mov	AVC-Intra 100M 720p24/30/60	Yes	–	–	–	–	–
Quicktime	mov	AVC-Intra 100M 720p25/50	Yes	–	–	–	–	–
Quicktime	mov	AVC-Intra 100M 1080p24/30/60	Yes	–	–	–	–	–
Quicktime	mov	AVC-Intra 100M 1080p25/50	Yes	–	–	–	–	–
Quicktime	mov	AVC-Intra 100M 1080i50	Yes	–	–	–	–	–
Quicktime	mov	AVC-Intra 100M 1080i60	Yes	–	–	–	–	–
Quicktime	mov	AVC-Intra XAVC-MPEG4	Yes	–	–	–	–	–
Quicktime	mov	Sony XAVC (FCPX) XAVC	Yes	–	–	–	–	–

Specifications format and codec support subject to change without notice.

Supported Audio Formats

Format	File Ex.	Codec	Mac OS Decode	Mac OS Encode	Windows 10 Decode	Windows 10 Encode	Linux Decode	Linux Encode
Independent Uncompressed PCM	wav	32, 44.1, 48, 88.2, 96 & 192kHz; 16, 24, 32 bit	Yes	–	Yes	–	Yes	–
Independent Uncompressed PCM	aiff	32, 44.1, 48, 88.2, 96 & 192kHz; 16, 24, 32 bit	Yes	–	Yes	–	Yes	–
Independent IEEE Float	wav	32, 44.1, 48, 88.2, 96 & 192kHz; 16, 24, 32 bit	Yes	–	Yes	–	Yes	–
Embedded Audio	mov	32, 44.1, 48, 88.2, 96 & 192kHz; 16, 24, 32 bit	Yes	–	Yes	–	Yes	–
Embedded Audio	mxf	32, 44.1, 48, 88.2, 96 & 192kHz; 16, 24, 32 bit	Yes	–	Yes	–	Yes	–
MPEG 1 and 2	mp3	Audio Layer 3	Yes	–	Yes	–	–	–
MP4	mp4	AAC	Yes	Yes	Yes	Yes	–	–
OP-1A: Embedded Audio	mxf	32, 44.1, 48, 88.2, 96 & 192kHz; 16, 24, 32 bit	Yes	–	Yes	–	Yes	–
OP Atom: Associated Audio	mxf	32, 44.1, 48, 88.2, 96 & 192kHz; 16, 24, 32 bit	Yes	–	Yes	–	Yes	–
Embedded Audio	r3d	–	Yes	–	Yes	–	Yes	–
Embedded Audio	mov	48kHz; 16, 24, 32 bit	–	Yes	–	Yes	–	Yes
OP Atom: Associated Audio	mxf	48kHz; 16, 24, 32 bit	–	Yes	–	Yes	–	Yes
AAC	aac	48kHz; Constant, averabe and variable bit rate	–	Yes	–	Yes	–	–
WAVE	wav	48kHz; 16, 24, 32 bit Linear PCM	–	Yes	–	Yes	–	Yes

Specifications format and codec support subject to change without notice.