

Technical Specifications

File specifications required

IMX30 Standard Definition:

Video File	File:	<i>IMX30 QuickTime MOV</i>
	File Extension:	<i>.mov</i>
	File Chroma Encoding:	<i>4:2:2</i>
	Encoding Bitrate:	<i>30Mbit/sec</i>
	Encoding GOP:	<i>I frame only</i>
	Encoding Type:	<i>Interlaced TFF</i>
	Video Standard:	<i>PAL</i>
	Levels:	<i>Standard Video Levels BT.601 (16-235. Not RGB 0-255)</i>
	Aspect Ratio:	<i>4:3</i>
	Frame Size:	<i>720(H) x 576(V) pixels</i>
	Frame Rate:	<i>25.00 fps</i>
	Picture Scan Type:	<i>Interlaced TFF</i>
	Duration:	<i>As specified at upload time mm:ss:ff (Note 1)</i>
Audio	Encoding:	<i>WAV – contained within same mov/mxf wrapper</i>
	Audio Channels Encoded:	<i>Single Stereo Pair</i>
	Audio Sample Rate:	<i>48kHz</i>
	Maximum Permitted Level:	<i>-10.0 dB below full scale peak reading (Note 2)</i>

XDCamHD High Definition For High Definition

Video File	File:	<i>XDCam 422 OP1a MXF wrapped</i>
	File Extension:	<i>.mxf</i>
	File Chroma Encoding:	<i>4:2:2</i>
	Encoding Bitrate:	<i>50Mbit/sec</i>
	Encoding GOP:	<i>12</i>
	MPEG Encoding Type:	<i>Interlaced TFF</i>
	Video Standard:	<i>HDTV 1080/50I</i>
	Levels:	<i>Standard Video Levels BT.709 (16-235. Not RGB 0-255)</i>
	Aspect Ratio:	<i>16/9 with 1:1 Pixel Aspect Ratio</i>
	Frame Size:	<i>1920(H) x 1080(V) pixels</i>
	Frame Rate:	<i>25.00 fps</i>
	Picture Scan Type:	<i>Interlaced TFF</i>
	Duration:	<i>As specified at upload time mm:ss:ff (Note 1)</i>
Audio	Encoding:	<i>PCM with each audio channel as separate stream in MXF</i>
	Audio Channels:	<i>2</i>
	Audio Sample Rate:	<i>48kHz</i>
	Maximum Permitted Level:	<i>-10.0 dB below full scale peak reading (Note 2)</i>

Notes

1. Files must be exact duration; first frame to last frame only. No bars, black, leader, clock or audio tone
2. Max audio peaks are measured as 'digital instantaneous peaks', not 'PPM' peaks
3. IMX mxf files accepted with 2 or 4 audio channels (e.g. Avid generated), but only the first 2 channels will be used