

XDCAM IMX 30 SD

File-Based Master Specifications

This document provides essential information, including recommended file settings and layout information, for delivering file-based masters to an Extreme Reach facility so your files can be prepared for broadcast.

If any of these requirements cannot be met, your content processing could be delayed. Please contact your Extreme Reach/Pathfire show coordinator with additional questions.

XDCAM IMX 30 SD	
Encoding & Video Bit Rate	MPEG2 (30Mbps)
Resolution / Frame Rate	720x512 (29.97fps)
Aspect Ratio	4:3
Chroma Sampling	4:2:2
GOP	I-Frame
Stream Type	XDCAM IMX 30 OP-1a (MXF)
Profile / Level	4:2:2P@Main
User Data	None
Closed Captioning	VBI Line 21 Field 1
Nielsen	In Audio
V-Chip	VBI Line 21 Field 2
Field Dominance	Upper (Odd) Field 1
Timecode	VBI Line 16/18
Audio Encoding Format	Uncompressed PCM
Audio Bit Rate	Stereo -1.536 Mbps / Pair Audio Bit
Audio Bit Depth	16 bit
Audio Levels	Reference -20dBFS Loudness -24LKFS ± 2dB (Max)
Audio Sample Rate	48 KHz
Audio Channels	4 (2 Stereo Pairs)
Audio Configuration	Stereo Ch1 - Left Stereo Ch2 - Right Stereo Ch3 - Left Stereo (LAS) Ch4 - Right Stereo (LAS)

XDCAM Export Settings for Final Cut Pro

Download and install the XDCAM Transfer Plug-in for FCP at <https://www.servicesplus.sel.sony.com/sony-softwaremodel.aspx?model=PDZKP1>.

Use easy setup in Final Cut Pro, Format :SD, Rate: 29.97, IMX NTSC (30 Mb /s).

When loading the clip onto the sequence, at the prompt: "Change sequence settings to match clip settings?" Select NO.

- Set Sequence settings in audio output to 2ch dual mono
- Select the sequence in the bin
- Select FILE/EXPORT/Sony XDCAM
- Use Settings: IMX NTSC (30 Mb /s) as Format: MXF

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File Structure:

- Minimum 10 seconds of black / silence
- Minimum 30 seconds of bars / tone
- Minimum 10 seconds of slate
 - Show Name
 - Episode Number
 - Episode Name
 - Episode Duration
 - Audio Channel Configuration
- Minimum 5 seconds black between each segment.
- Minimum 10 seconds of black / silence

File Naming Conventions:

- The filename must contain the full show name and episode number with no spaces.
- The filename must contain only alphanumeric characters.

Notes:

1. The Video Bit Rate and Audio Bit Rates stated are for the elementary streams. Please use care when configuring your encoders.
2. The specification in this document is the preferred format for SD stereo content without attributes present.
3. This document describes the base technical details of the file format required. The content delivery specifications of the program provider may contain additional requirements which need to be observed.