



FLOW Supported Media Formats

Version 2023.1

April 2023

Copyright © 2023 by EditShare

This manual, as well as any software described in it, is furnished under either a license or a confidentiality agreement, is confidential to EditShare, and may be used or copied only in accordance with the above mentioned agreements. The information in this manual is furnished for your use only and is subject to change without notice. EditShare assumes no responsibility or liability for any errors or inaccuracies that might appear in this manual.

This Documentation is the property of EditShare and is provided in accordance with an EditShare license agreement. Copying, modifying, or distributing this Documentation in violation of the license agreement, United States Copyright Laws, or the Copyright Laws of any applicable foreign jurisdiction is expressly prohibited.

EditShare is a trademark of EditShare in the United States and other countries.

Avid is a registered trademark of Avid Technology, Inc. Final Cut Pro, Leopard, Snow Leopard, Lion, Mountain Lion, Mavericks, Yosemite, Macintosh, Macintosh OS, and OS X are registered trademarks of Apple, Inc., in the United States and other countries. Adobe Premiere Pro and Adobe Creative Cloud are registered trademarks of Adobe, Inc. Windows is a registered trademark of Microsoft Corporation in the United States and other countries.



Dolby and the Double-D symbol are registered trademarks of Dolby Laboratories.

All other brand and product names are trademarks or registered trademarks of their respective companies and are hereby acknowledged.

Notice:

To the best of our knowledge, the information in this document is accurate; however, EditShare assumes no responsibility or liability for the accuracy or completeness of this information. Mention of trade names or commercial products does not constitute endorsement by EditShare except where explicitly stated.

EditShare
3 Brook Street
Watertown, MA 02472

Tel: 617-782-0479

www.editshare.com

Contents

Avid MXF (Op-Atom)	3
Avid (MXF Op-Atom)/continued	6
Avid (MXF Op-Atom)/continued	9
MXF (Op1a)	11
Avid H.264 Proxies	16
High-Efficiency Video Codec, ITU T-REC H.265	17
QuickTime (MOV)	17
QuickTime (MOV)	26
MP4	27
MPEG2 Program Stream	28
MPEG2 Transport Stream	28
MPEG2 Raw Sequence	28
Canon XF	29
Panasonic P2	29
R3D (RED)	30
XDCAM-EX MP4	31
XDCAM-MXF	32
Devices and Structures	33
Image Sequence Formats	33
Stills Image Formats	34
RAW Formats	34
Image Formats	41
Audio Formats	42

To check if a file ingest workflow is supported, combine the "File ingest from" entry of the source format and "Rewrap to" or "Encode to" of the target format.

Note: Avid editing applications do not support direct import of XDCAM clips. FLOW scans them and they are included in the database, but you cannot drag them into your Avid editing application.

Avid MXF (Op-Atom)

Codec	Raster	Frame Rate	Scan from	File ingest from	Encode to	Rewrap to	Edit While Capture
DV 25 (consumer)	PAL	50i	X	X	X	X	X
	NTSC	59.94i	X	X	X	X	X
DVCPRO 25	PAL	50i	X	X	X	X	X
	NTSC	59.94i	X	X	X	X	X
DVCPRO 50	PAL	50i	X	X	X	X	X
	NTSC	59.94i	X	X	X	X	X
DVCPRO HD	1080i	50i	X	X	X	X	X
		59.94i	X	X	X	X	X
	720p	50p	X	X	X	X	
		59.94p	X	X	X	X	
IMX 30	PAL	50i	X	X	X	X	X
	NTSC	59.94i	X	X	X	X	X

IMX 40	PAL	50i	X	X	X	X	X
	NTSC	59.94i	X	X	X	X	X
IMX 50	PAL	50i	X	X	X	X	X
	NTSC	59.94i	X	X	X	X	X
XDCAM-HD SP / 25MBit CBR	1080i	50i	X	X	X	X	
		59.94i	X	X	X	X	
	1080p	23.976p	X	X	X	X	
XDCAM-HD HQ / 35MBit VBR	1080i	50i	X	X	X	X	
		59.94i	X	X	X	X	
	1080p	23.976p	X	X	X	X	
		25p	X	X	X	X	
XDCAM-HD 422 / 50MBit CBR	1080i	50i	X	X	X	X	
		59.94i	X	X	X	X	
	1080p	23.976p	X	X	X	X	
		25p	X	X	X	X	
		29.97p	X	X	X	X	
	720p	50p	X	X	X	X	

		59.94p	X	X	X	X	
XDCAM-EX SP / 25MBit CBR	1080i	50i	X	X	X	X	
		59.94i	X	X	X	X	
	1080p	23.976p	X	X	X	X	
XDCAM-EX HQ / 35MBit VBR	1080i	50i	X	X	X	X	
		59.94i	X	X	X	X	
	1080p	23.976p	X	X	X	X	
		25p	X	X	X	X	
		29.97p	X	X	X	X	
	720p	23.976p	X	X	X	X	
		25p	X	X	X	X	
		29.97p	X	X	X	X	
		50p	X	X	X	X	
		59.94p	X	X	X	X	

Avid (MXF Op-Atom)/continued

Codec	Raster	Frame Rate	Scan from	File ingest from	Encode to	Rewrap to	Edit While Capture
Avid Uncompressed / 1:1 / 8-bit	PAL	50i	X	X	X		
	NTSC	59.94i	X	X	X		
	1080i	50i	X	X			
		59.94i	X	X			
Avid Uncompressed / 1:1p / 8-bit	PAL	25p	X	X	X		
	NTSC	29.97p	X	X	X		
	1080p	23.976p	X	X			
		25p	X	X			
		29.97p	X	X			
	720p	23.976p	X	X			
		25p	X	X			
		29.97p	X	X			
		50p	X	X			
		59.94p	X	X			
	Avid Uncompressed / 1:1 / 10-bit	PAL	50i	X	X		
NTSC		59.94i	X	X			
		1080i	X	X			
		59.94i	X	X			
	PAL	25p	X	X			

Avid Uncompressed / 1:1p / 10-bit	NTSC	29.97p	X	X			
	1080p	23.976p	X	X			
		25p	X	X			
		29.97p	X	X			
	720p	23.976p	X	X			
		25p	X	X			
		29.97p	X	X			
		50p	X	X			
		59.94p	X	X			
	AVC-Intra 50	1080i	50i	X	X	X	X
59.94i			X	X	X	X	
1080p		23.976p	X	X	X	X	
		25p	X	X	X	X	
		29.97p	X	X	X	X	
720p		23.976p	X	X	X	X	
		25p	X	X	X	X	
		50p	X	X	X	X	
		59.94p	X	X	X	X	
AVC-Intra 100		1080i	50i	X	X	X	X
	59.94i		X	X	X	X	X
	1080p	23.976p	X	X	X	X	
		25p	X	X	X	X	
		29.97p	X	X	X	X	

	720p	23.976p	X	X	X	X	
		25p	X	X	X	X	
		50p	X	X	X	X	
		59.94p	X	X	X	X	
Avid DNxHD 75	1080p	50	X	X	X		
Avid DNxHD 185x 10-bit	1080i	50i	X	X	X		
Avid DNxHD 185			X	X	X	X	X
Avid DNxHD 120			X	X	X	X	X
Avid DNxHD 220x 10-bit	59.94i		X	X	X		
Avid DNxHD 220			X	X	X	X	X
Avid DNxHD 145			X	X	X	X	X

Avid (MXF Op-Atom)/continued

Codec	Raster	Frame Rate	Scan from	File ingest from	Encode to	Rewrap to	Edit While Capture
Avid DNxHD 175x 10-bit	1080p	23.976p	X	X			
Avid DNxHD 175			X	X	X	X	
Avid DNxHD 115			X	X	X	X	
Avid DNxHD 36			X	X	X	X	
Avid DNxHD 175x 10-bit		24p	X	X			
Avid DNxHD 175			X	X	X		
Avid DNxHD 115			X	X	X		
Avid DNxHD 36			X	X	X		
Avid DNxHD 185x 10-bit	1080p	25p	X	X			
Avid DNxHD 185			X	X	X	X	X
Avid DNxHD 120			X	X	X	X	X
Avid DNxHD 36			X	X	X	X	X
Avid DNxHD 220x 10-bit		29.97p	X	X			
Avid DNxHD 220			X	X	X	X	X
Avid DNxHD 145			X	X	X	X	X
Avid DNxHD 45			X	X	X	X	X
Avid DNxHD 240	50p	X	X	X	X		
Avid DNxHD 90x 10-bit		23.976p	X	X			
Avid DNxHD 90			X	X	X	X	

Avid DNxHD 60	720p		X	X	X	X	
Avid DNxHD 90x 10-bit		25p	X	X	X	X	
Avid DNxHD 90			X	X	X	X	X
Avid DNxHD 60			X	X	X	X	X
Avid DNxHD 110x 10-bit			X	X			
Avid DNxHD 110		29.97p	X	X	X	X	X
Avid DNxHD 75			X	X	X	X	X
Avid DNxHD 175x 10-bit			X	X	X		
Avid DNxHD 175		50p	X	X	X	X	
Avid DNxHD 115			X	X	X	X	
Avid DNxHD 220x 10-bit			X	X			
Avid DNxHD 220		59.94p	X	X	X	X	
Avid DNxHD 145			X	X	X	X	
Avid DNxHR LB			All	All	X	X	
Avid DNxHR SQ	All	All	X	X			
Avid DNxHR HQ	All	All	X	X			
Avid DNxHR HQX12-bit	All	All	X	X			

MXF (Op1a)

Codec	Raster	Frame Rate	Scan from	File ingest from	Encode to	Rewrap to	Edit While Capture
IMX 50	PAL	50i	X	X	X	X	X
	NTSC	59.94i	X	X	X	X	X
XDCAM-HD HQ / 35MBit VBR	1080i	50i	X	X	X	X	
		59.94i	X	X	X	X	
	1080p	23.976p	X	X	X	X	
		25p	X	X	X	X	
XDCAM-HD 422 / 50MBit CBR	1080i	50i	X	X	X	X	
		59.94i	X	X	X	X	
	1080p	23.976p	X	X	X	X	
		25p	X	X	X	X	
		29.97p	X	X	X	X	
	720p	50p	X	X	X	X	
		59.94p	X	X	X	X	
		60p	X	X	X	X	
XDCAM-EX SP / 25MBit CBR	1080i	50i	X	X	X	X	
		59.94i	X	X	X	X	
	1080p	23.976p	X	X	X	X	
	1080i	50i	X	X	X	X	
		59.94i	X	X	X	X	

XDCAM-EX HQ / 35MBit VBR	1080p	23.976p	X	X	X	X	
		25p	X	X	X	X	
		29.97p	X	X	X	X	
	720p	23.976p	X	X	X	X	
		25p	X	X	X	X	
		29.97p	X	X	X	X	
		50p	X	X	X	X	
		59.94p	X	X	X	X	
		60p	X	X	X	X	
AVC-Intra 50	1080i	50i	X	X	X	X	
		59.94i	X	X	X	X	
	1080p	23.976p	X	X	X	X	
		25p	X	X	X	X	
		29.97p	X	X	X	X	
	720p	23.976p	X	X	X	X	
		25p	X	X	X	X	
		50p	X	X	X	X	
		59.94p	X	X	X	X	
AVC-Intra 100	1080i	50i	X	X	X	X	
		59.94i	X	X	X	X	
	1080p	23.976p	X	X	X	X	
		25p	X	X	X	X	
		29.97p	X	X	X	X	

	720p	23.976p	X	X	X	X	
		25p	X	X	X	X	
		50p	X	X	X	X	
		59.94p	X	X	X	X	
XAVC-I	HD, 2K, 4K	Any up to 59.94p	X	X			
XAVC-L	HD, 2K, 4K	Any up to 59.94p	X	X			
Avid DNxHD 75	1080p	50	X	X			
Avid DNxHD 185x 10-bit	1080i	50i	X	X			
Avid DNxHD 185			X	X			
Avid DNxHD 120			X	X			
Avid DNxHD 220x 10-bit	59.94i		X	X			
Avid DNxHD 220			X	X			
Avid DNxHD 145			X	X			

Codec	Raster	Frame Rate	Scan from	File ingest from	Encode to	Rewrap to	Edit While Capture
Avid DNxHD 175x 10-bit	1080p	23.976p	X	X			
Avid DNxHD 175			X	X			
Avid DNxHD 115			X	X			
Avid DNxHD 36			X	X			
Avid DNxHD 175x 10-bit		24p	X	X			
Avid DNxHD 175			X	X			
Avid DNxHD 115			X	X			
Avid DNxHD 36			X	X			
Avid DNxHD 185x 10-bit	1080p	25p	X	X			
Avid DNxHD 185			X	X			
Avid DNxHD 120			X	X			
Avid DNxHD 36			X	X			
Avid DNxHD 220x 10-bit		29.97p	X	X			
Avid DNxHD 220			X	X			
Avid DNxHD 145			X	X			
Avid DNxHD 45			X	X			
Avid DNxHD 90x 10-bit	720p	23.976p	X	X			
Avid DNxHD 90			X	X			
Avid DNxHD 60			X	X			
Avid DNxHD 90x 10-bit		25p	X	X			

Avid DNxHD 90			X	X			
Avid DNxHD 60			X	X			
Avid DNxHD 110x 10-bit		29.97p	X	X			
Avid DNxHD 110	X		X				
Avid DNxHD 75	X		X				
Avid DNxHD 175x 10-bit		50p	X	X			
Avid DNxHD 175	X		X				
Avid DNxHD 115	X		X				
Avid DNxHD 220x 10-bit		59.94p	X	X			
Avid DNxHD 220	X		X				
Avid DNxHD 145	X		X				
Avid DNxHR LB	All	All	X	X			
Avid DNxHR SQ	All	All	X	X			
Avid DNxHR HQ	All	All	X	X			
Avid DNxHR HQX12-bit	All	All	X	X			

Avid H.264 Proxies

Codec	Raster	Frame Rate	Scan from	File ingest from	Encode to	Rewrap to	Edit While Capture
Avid H264 Proxy 800kbps Avid H264 Proxy 2mbps Avid H264 Proxy 800kbps Avid H264 Proxy 2mbps	1080i 1080i 1080i 1080i	59.94i 59.94i 50i 50i	X	X	X		
Avid H264 Proxy 800kbps Avid H264 Proxy 2mbps Avid H264 Proxy 800kbps Avid H264 Proxy 2mbps	720p 720p 720p 720p	50p 50p 59.94p 59.94p	X	X	X		
Avid H264 Proxy 1500kbps Avid H264 Proxy 800kbps	NTSC NTSC	59.94i 59.94i	X	X	X		
Avid H264 Proxy 800kbps Avid H264 Proxy 1500kbps	PAL PAL	50i 50i	X	X	X		
Avid H264 Proxy 800kbps Avid H264 Proxy 800kbps Avid H264 Proxy 800kbps	1080p 1080p 1080p	23.976p 25p 29.97p	X	X	X		
Avid H264 Proxy 800kbps Avid H264 Proxy 800kbps Avid H264 Proxy 800kbps	720p 720p 720p	23.976p 25p 29.97p	X	X	X		

High-Efficiency Video Codec, ITU T-REC H.265

The High-Efficiency Video Codec, ITU T-REC H.265, (HEVC) is the successor of the AVC/H.264 codec. Similar to the H.264, the H.265 is a codec that supports any resolution and any frame rate. It is highly optimized in order to handle UHD resolution and beyond with a compression rate twice the H.264.

The H.265 supports bit-depths of 8 and 10-bit, and supports wrapped in QuickTime file format, either as MOV or MP4 files.

QuickTime (MOV)

Codec	Raster	Frame Rate	Scan from	File ingest from	Encode to	Rewrap to	Edit While Capture
DV 25 (consumer)	PAL	50i	X	X	X	X	X
	NTSC	59.94i	X	X	X	X	X
DVCPRO 25	PAL	50i	X	X	X	X	X
	NTSC	59.94i	X	X	X	X	X
DVCPRO 50	PAL	50i	X	X	X	X	X
	NTSC	59.94i	X	X	X	X	X
DVCPRO HD	1080i	50i	X	X	X	X	X
		59.94i	X	X	X	X	X
	720p	50p	X	X	X	X	X
		59.94p	X	X	X	X	X
		60p	X	X	X	X	X
IMX 30	PAL	50i	X	X	X	X	X
	NTSC	59.94i	X	X	X	X	X
IMX 40	PAL	50i	X	X	X	X	X
	NTSC	59.94i	X	X	X	X	X

IMX 50	PAL	50i	X	X	X	X	X
	NTSC	59.94i	X	X	X	X	X
XDCAM-HD SP / 25MBit CBR	1080i	50i	X	X	X	X	
		59.94i	X	X	X	X	
	1080p	23.976p	X	X	X	X	
		25p	X	X	X	X	
		30p	X	X	X	X	
	720p	23.976p	X	X	X	X	
		25p	X	X	X	X	
		30p	X	X	X	X	
		50p	X	X	X	X	
		59.94p	X	X	X	X	
		60p	X	X	X	X	

Codec	Raster	Frame Rate	Scan from	File ingest from	Encode to	Rewrap to	Edit While Capture
XDCAM-HD HQ / 35MBit VBR	1080i	50i	X	X	X	X	
		59.94i	X	X	X	X	
	1080p	23.976p	X	X	X	X	
		25p	X	X	X	X	
		30p	X	X	X	X	

XDCAM-HD 422 / 50MBit CBR	1080i	50i	X	X	X	X	
		59.94i	X	X	X	X	
	1080p	23.976p	X	X	X	X	
		25p	X	X	X	X	
		29.97p	X	X	X	X	
	720p	23.976p	X	X	X	X	
		25p	X	X	X	X	
		30p	X	X	X	X	
		50p	X	X	X	X	
		59.94p	X	X	X	X	
		60p	X	X	X	X	
XDCAM-EX SP / 25MBit CBR	1080i	50i	X	X	X	X	
		59.94i	X	X	X	X	
	1080p	23.976p	X	X	X	X	
		25p	X	X	X	X	
		30p	X	X	X	X	
	720p	23.976p	X	X	X	X	
		25p	X	X	X	X	
		30p	X	X	X	X	
		50p	X	X	X	X	
		59.94p	X	X	X	X	
		60p	X	X	X	X	

XDCAM-EX HQ / 35MBit VBR	1080i	50i	X	X	X	X	
		59.94i	X	X	X	X	
	1080p	23.976p	X	X	X	X	
		25p	X	X	X	X	
		29.97p	X	X	X	X	
		720p	23.976p	X	X	X	X
25p			X	X	X	X	
29.97p			X	X	X	X	
50p			X	X	X	X	
59.94p			X	X	X	X	
60p			X	X	X	X	
Quicktime Uncompressed 8-bit	PAL	50i	X	X			
	NTSC	59.94i	X	X			
	1080i	50i	X	X			
		59.94i	X	X			
	1080p	23.976p	X	X			
		25p	X	X			
		29.97p	X	X			
	720p	23.976p	X	X			
		25p	X	X			
		29.97p	X	X			
		50p	X	X			
		59.94p	X	X			

Codec	Raster	Frame Rate	Scan from	File ingest from	Encode to	Rewrap to	Edit While Capture	
Quicktime Uncompressed 10-bit	PAL	50i	X	X				
	NTSC	59.94i	X	X				
	1080i	50i	X	X				
		59.94i	X	X				
	1080p	23.976p	X	X				
		25p	X	X				
		29.97p	X	X				
	720p	23.976p	X	X				
		25p	X	X				
		29.97p	X	X				
		50p	X	X				
		59.94p	X	X				
		60p	X	X				
	AJA Uncompressed RGB 10-bit	PAL	50i	X	X			
		NTSC	59.94i	X	X			
1080i		50i	X	X				
		59.94i	X	X				
1080p		23.976p						
		25p						

		29.97p					
	720p	23.976p					
		25p					
		29.97p					
		50p					
		59.94p					
		60p					
AVC-Intra 50	1080i	50i	X	X	X	X	
		59.94i	X	X	X	X	
	1080p	23.976p	X	X	X	X	
		25p	X	X	X	X	
		29.97p	X	X	X	X	
	720p	23.976p	X	X	X	X	
		25p	X	X	X	X	
		50p	X	X	X	X	
		59.94p	X	X	X	X	
		60p	X	X	X	X	
	AVC-Intra 100	1080i	50i	X	X	X	X
59.94i			X	X	X	X	
1080p		23.976p	X	X	X	X	
		25p	X	X	X	X	
		29.97p	X	X	X	X	

	720p	23.976p	X	X	X	X	
		25p	X	X	X	X	
		50p	X	X	X	X	
		59.94p	X	X	X	X	
		60p	X	X	X	X	
Avid DNxHD 185x 10-bit	1080i	50i	X	X			
Avid DNxHD 185			X	X	X	X	
Avid DNxHD 120			X	X	X	X	
Avid DNxHD 220x 10-bit		59.94i	X	X			
Avid DNxHD 220			X	X	X	X	
Avid DNxHD 145							

Codec	Raster	Frame Rate	Scan from	File ingest from	Encode to	Rewrap to	Edit While Capture
Avid DNxHD 175x 10-bit		23.976p	X	X			
Avid DNxHD 175			X	X	X	X	
Avid DNxHD 115			X	X	X	X	
Avid DNxHD 36			X	X	X	X	
Avid DNxHD 175x 10-bit			X	X			

Avid DNxHD 175	1080p	24p	X	X	X	X	
Avid DNxHD 115			X	X	X	X	
Avid DNxHD 36			X	X	X	X	
Avid DNxHD 185x 10-bit		25p	X	X			
Avid DNxHD 185			X	X	X	X	
Avid DNxHD 120			X	X	X	X	
Avid DNxHD 36			X	X	X	X	
Avid DNxHD 220x 10-bit		29.97p	X	X			
Avid DNxHD 220			X	X	X	X	
Avid DNxHD 145			X	X	X	X	
Avid DNxHD 45			X	X	X	X	
Avid DNxHD 90x 10-bit		720p	23.976p	X	X		
Avid DNxHD 90	X			X	X	X	
Avid DNxHD 60	X			X	X	X	
Avid DNxHD 90x 10-bit	25p		X	X			
Avid DNxHD 90			X	X	X	X	X
Avid DNxHD 60			X	X	X	X	X
Avid DNxHD 110x 10-bit	29.97p		X	X			
Avid DNxHD 110			X	X	X	X	
Avid DNxHD 75			X	X	X	X	
Avid DNxHD 175x 10-bit	50p		X	X			
Avid DNxHD 175			X	X	X	X	
Avid DNxHD 115			X	X	X	X	

Avid DNxHD 220x 10-bit		59.94p	X	X			
Avid DNxHD 220			X	X	X	X	
		60p	X	X	X	X	
Avid DNxHD 145		59.94p	X	X	X	X	
		60p	X	X	X	X	
ProRes 422	All	All	X	X	X	X	
ProRes 422 HQ	All	All	X	X	X	X	
ProRes 422 LT	All	All	X	X	X	X	
ProRes 422 Proxy	All	All	X	X	X	X	
ProRes 4444	All	All	X	X			
ProRes 4444 XQ	All	All	X	X			

QuickTime (MOV)

Animation							
Black & White							
4 Grays							
4 Colors	All	All					
16 Grays							
16 Grays							
256 Colors			X				
1000s Colors			X				
Millions Colors			X				
Millions Plus Colors			X				

MP4

Codec	Raster	Frame Rate	Scan from	File ingest from	Encode to	Rewrap to
H.264 High Quality, Full Size (3.2 Mbps)	All	All	X	X	X	X
H.264 High Quality, Half Size (3.2 Mbps)			X	X	X	X
H.264 High Quality, Quarter Size (3.2 Mbps)			X	X	X	X
H.264 Medium Quality, Full Size (800 kbps)	All	All	X	X	X	X
H.264 Medium Quality, Half Size (800 kbps)			X	X	X	X
H.264 Medium Quality, Quarter Size (800 kbps)			X	X	X	X
H.264 Low Quality, Full Size (400 kbps)	All	All	X	X	X	X
H.264 Low Quality, Half Size (400 kbps)			X	X	X	X
H.264 Low Quality, Quarter Size (400 kbps)			X	X	X	X
H.264 HD High Quality	All	All	X	X	X	X
H.264 HD Medium Quality			X	X	X	X
H.264 HD Low Quality			X	X	X	X
XAVC-S	All	All	X	X		

MPEG2 Program Stream

Codec	Raster	Frame Rate	Scan from	File ingest from
MPEG1	All	All	X	X
MPEG2			X	X
H.264			X	X

MPEG2 Transport Stream

Codec	Raster	Frame Rate	Scan from	File ingest from
MPEG1	All	All	X	X
MPEG2			X	X
H.264			X	X

MPEG2 Raw Sequence

Codec	Raster	Frame Rate	Scan from	File ingest from
MPEG1	All	All	X	X
MPEG2			X	X
H.264			X	X

Canon XF

Codec	Raster	Frame Rate	Scan from	File ingest from	Spanned Clips
Canon XF	All	All	X	X	X

Panasonic P2

Codec	Raster	Frame Rate	Scan from	File ingest from	Spanned Clips
DVCPRO 25	PAL	50i	X	X	X
	NTSC	59.94i	X	X	X
DVCPRO 50	PAL	50i	X	X	X
	NTSC	59.94i	X	X	X
DVCPRO HD	1080i	50i	X	X	X
		59.94i	X	X	X
	720p	50p	X	X	X
		59.94p	X	X	X
AVC-Intra 50	1080i	50i	X	X	X
		59.94i	X	X	X
	1080p	23.976p	X	X	X
		25p	X	X	X
		29.97p	X	X	X

	720p	23.976p	X	X	X
		25p	X	X	X
		50p	X	X	X
		59.94p	X	X	X
AVC-Intra 100	1080i	50i	X	X	X
		59.94i	X	X	X
	1080p	23.976p	X	X	X
		25p	X	X	X
		29.97p	X	X	X
	720p	23.976p	X	X	X
		25p	X	X	X
		50p	X	X	X
		59.94p	X	X	X

R3D (RED)

Codec	Raster	Frame Rate	Scan from	File ingest from	Spanned Clips
R3D	All	All	X	X	X

XDCAM-EX MP4

Codec	Raster	Frame Rate	Scan from	File ingest from	Spanned Clips
XDCAM-EX SP / 25MBit CBR	1080i	50i	X	X	X
		59.94i	X	X	X
	1080p ‡	23.976p	X	X	X
XDCAM-EX HQ / 35MBit VBR	1080i	50i	X	X	X
		59.94i	X	X	X
	1080p	23.976p	X	X	X
		25p	X	X	X
		29.97p	X	X	X
	720p	23.976p	X	X	X
		25p	X	X	X
		29.97p	X	X	X
		50p	X	X	X
		59.94p	X	X	X

‡ Stored on device as 1080i59.94 with pulldown and treated as 1080i59.94 by Flow.

XDCAM-MXF

Codec	Raster	Frame Rate	Scan from	File ingest from	Spanned
XDCAM-HD SP / 25MBit CBR	1080i	50i	X	X	X
		59.94i	X	X	X
	1080p	23.976p	X	X	X
XDCAM-HD HQ / 35MBit VBR	1080i	50i	X	X	X
		59.94i	X	X	X
	1080p	23.976p	X	X	X
XDCAM-HD 422 / 50MBit CBR	1080i	50i	X	X	X
		59.94i	X	X	X
	1080p	23.976p	X	X	X
		25p	X	X	X
		29.97p	X	X	X
	720p	50p	X	X	X
		59.94p	X	X	X
DVCPRO 25	PAL	50i	X	X	X
	NTSC	59.94i	X	X	X
IMX 30	PAL	50i	X	X	X
	NTSC	59.94i	X	X	X
IMX 40	PAL	50i	X	X	X
	NTSC	59.94i	X	X	X

IMX 50	PAL	50i	X	X	X
	NTSC	59.94i	X	X	X
XAVC-I	HD, 2K, 4K	Any up to 59.94p	X	X	X
XAVC-L	HD, 2K, 4K		X	X	X

Devices and Structures

The following devices and structures are supported:

- P2
- XDCAM EX
- XDCAM HD
- GFCAM
- CanonXF
- JVC
- Ikegami
- Design rule for Camera File system (DCF) - e.g. GoPro, Flip, Canon, Drift
- Advanced Video Coding High Definition (AVCHD)

Image Sequence Formats

Flow treats a folder of images as a clip, where each image file is a frame of a clip. Image files for an image sequence must share the same naming format with consecutive and incremental numbering. The following file formats are supported:

- ARI (ARRIRAW)
- BMP (Bitmap)
- CIN (Cineon)
- DNG (Digital Negative)
- DPX (Digital Picture Exchange)
- EXR (Open EXR)
- JPEG (Joint Photographic Experts Group)
- PNG (Portable Networks Graphic)
- TIFF (Tagged Image File Format)

If the image sequence has a sidecar audio file in .WAV format, this can be added to the same folder as your images. When Flow creates a proxy file for the image sequence, the audio is included.

See the Flow Browse User's Guide for further information.

Stills Image Formats

RAW Formats

When working with RAW formats, the following devices are supported:

Adobe				
	Digital Negative (DNG)			
Agfa				
	AgfaPhoto DC-833m			
Apple				
	QuickTake 100	QuickTake 150	QuickTake 200	
ARRI				
	ARRIRAW format			
AVT				
	AVT F-080C	AVT F-145C	AVT F-201C	
	AVT F-510C	AVT F-810C		
Canon				
	PowerShot 600 PowerShot A5 PowerShot A5 Zoom PowerShot A50 PowerShot A460	PowerShot G15 PowerShot S2 IS PowerShot S3 IS PowerShot S5 IS PowerShot SD300	EOS D30 EOS D60 EOS 5D EOS 5D Mark II EOS 5D Mark III	
	PowerShot A470 PowerShot A530 PowerShot A570 PowerShot A590 PowerShot A610	PowerShot S30 PowerShot S40 PowerShot S45 PowerShot S50 PowerShot S60	EOS 6D EOS 7D EOS 10D EOS 20D EOS 30D	
	PowerShot A620 PowerShot A630 PowerShot A640 PowerShot A650 PowerShot A710 IS	PowerShot S70 PowerShot S90 PowerShot S95 PowerShot S100 PowerShot S110	EOS 40D EOS 50D EOS 60D EOS 300D / Digital Rebel / Kiss Digital	

	PowerShot A720 IS PowerShot Pro70 PowerShot Pro90 IS PowerShot Pro1 PowerShot G1	PowerShot SX1 IS PowerShot SX110 IS PowerShot SX120 IS PowerShot SX220 HS PowerShot SX20 IS	EOS 350D / Digital Rebel XT / Kiss Digital N EOS 400D / Digital Rebel XTi / Kiss Digital X EOS 450D / Digital Rebel XSi / Kiss Digital X2 EOS 500D / Digital Rebel T1i / Kiss Digital X3 EOS 550D / Digital Rebel T2i / Kiss Digital X4
	PowerShot G1 X PowerShot G2 PowerShot G3 PowerShot G5 PowerShot G6	PowerShot SX30 IS PowerShot SX50 HS	EOS 600D / Digital Rebel T3i / Kiss Digital X5 EOS 650D / Digital Rebel T4i / Kiss Digital X6i EOS 1000D / Digital Rebel XS / Kiss Digital F EOS 1100D / Digital Rebel T3 / Kiss Digital X50 EOS D2000C
	PowerShot G7 PowerShot G9 PowerShot G10 PowerShot G11 PowerShot G12		EOS M EOS-1D EOS-1DS EOS-1D X EOS-1D Mark II

RAW Formats (continued)

Canon				
/contd.			EOS-1D Mark II N EOS-1D Mark III EOS-1D Mark IV EOS-1Ds Mark II EOS-1Ds Mark III	
Casio				
	QV-2000UX QV-3000EX QV-3500EX QV-4000 QV-5700 QV-R41 QV-R51 QV-R61 EX-S20 EX-S100	EX-Z4 EX-Z50 EX-Z500 EX-Z55 EX-Z60	EX-Z75 EX-Z750 EX-Z8 EX-Z850 EX-Z1050	EX-Z1080 EX-ZR100 Exlim Pro 505 Exlim Pro 600 Exlim Pro 700
Contax				
	N Digital			
Creative				
	PC-CAM 600			
Epson				
	R-D1			
Foculus				
	Foculus 531C			

Fuji				
	E550 E900 F700 F710 F800 F810 S2Pro S3Pro S5Pro S20Pro	S100FS S5000 S5100/S5500 S5200/S5600 S6000fd S7000 S9000/S9500 S9100/S9600 S200EXR HS10/HS11	HS20EXR HS30EXR F550EXR F600EXR F770EXR F800EXR X-Pro1 X-E1 XF1 X-S1	X100 X10 IS-1
Hasselblad				
	CFV	H3D	H4D	V96C
Imacon				
	lpress 16-megapixel	lpress 22-megapixel	lpress 39-megapixel	
ISG				
	ISG 2020x1520			
Kodak				
	DC20 DC25 DC40 DC50 DC120	DCS460A DCS520C DCS560C DCS620C DCS620X	EOSDCS1 EOSDCS3B NC2000F ProBack PB645C	DCS Pro SLR/n C330 C603 P850 P880
	DCS200 DCS315C DCS330C DCS420 DCS460	DCS660C DCS660M DCS720X DCS760C DCS760M	PB645H PB645M DCS Pro 14n DCS Pro 14nx DCS Pro SLR/c	Z980 Z981 Z990 Z1015 KAI-0340

Raw Formats (continued)

Konica				
	KD-400Z	KD-510Z		
Leaf				
	AFi 7 AFi-II 12 Aptus 17 Aptus 22 Aptus 54S	Aptus 65 Aptus 75 Aptus 75S Cantare CatchLight	CMost DCB2 Valeo 6 Valeo 11 Valeo 17	Valeo 22 Volare
Leica				
	Digilux 2 Digilux 3 D-LUX2	D-LUX3 D-LUX4 D-LUX5	D-LUX6 V-LUX1 V-LUX2	V-LUX3 V-LUX4
Logitech				
	Fotoman Pixtura			
Mamiya				
	ZD			
Micron				
	2010			
Minolta				
	RD175 DiMAGE 5 DiMAGE 7 DiMAGE 7i DiMAGE 7Hi	DiMAGE A1 DiMAGE A2 DiMAGE A200 DiMAGE G400 DiMAGE G500	DiMAGE G530 DiMAGE G600 DiMAGE Z2 Alpha/Dynax/Maxxum 5D Alpha/Dynax/Maxxum 7D	
Motorola				
	PIXL			
Nikon				

	D1 D1H D1X D2H D2Hs D2X D2Xs D3 D3s D3X	D70 D70s D80 D90 D100 D200 D300 D300s D600 D700	D7000 D800 D800E 1 J1 1 J2 1 V1 1 V2 E700 E800 E880	E2500 E3200 E3700 E4300 E4500 E5000 E5400 E5700 E8400 E8700
	D4 D40 D40X D50 D60	D3000 D3100 D3200 D5000 D5100	E900 E950 E990 E995 E2100	E8800 Coolpix P6000 Coolpix P7000 Coolpix P7100 Coolpix P7700 Coolpix S6
Nokia				
	N95	X2		

Raw Formats (continued)

Olympus	C3030Z C5050Z C5060WZ C7070WZ C70Z,C7000Z C740UZ C770UZ C8080WZ X200,D560Z,C350Z E-1	E-3 E-5 E-10 E-20 E-30 E-300 E-330 E-400 E-410 E-420	E-500 E-510 E-520 E-620 E-P1 E-P2 E-P3 E-PL1 E-PL1s E-PL2	E-PL3 E-PL5 E-PM1 E-PM2 E-M5 SP310 SP320 SP350 SP500UZ SP510UZ
				SP550UZ SP560UZ SP570UZ XZ-1 XZ-2
Panasonic	DMC-FZ8 DMC-FZ18 DMC-FZ28 DMC-FZ30 DMC-FZ35/FZ38 DMC-FZ40 DMC-FZ50 DMC-FZ100 DMC-FZ150 DMC-FZ200	DMC-FX150 DMC-G1 DMC-G2 DMC-G3 DMC-G5 DMC-GF1 DMC-GF2 DMC-GF3 DMC-GF5 DMC-GH1	DMC-GH2 DMC-GH3 DMC-GX1 DMC-L1 DMC-L10 DMC-LC1 DMC-LX1 DMC-LX2 DMC-LX3 DMC-LX5	DMC-LX7

Pentax				
	*ist D *ist DL *ist DL2 *ist DS *ist DS2	K10D K20D K100D K100D Super K200D	K2000/K-m K-x K-r K-5 K-5 II	K-5 II s K-7 Optio S Optio S4 Optio 33WR Optio 750Z 645D
Phase One				
	LightPhase H 10 H 20	H 25 P 20 P 25	P 30 P 45 P 45+	
Pixelink				
	A782			
Polaroid				
	x530			
Redcode				
	R3D format			
Rollei				
	d530flex			
RoverShot				
	3320af			
Samsung				
	EX1 EX2F GX-1S GX10	GX20 NX10 NX11 NX100	NX20 NX200 NX210 NX1000	WB550 WB2000 S85 S850

Raw Formats (continued)

Sarnoff				
	4096x5440			
Sigma				
	SD9 SD10 SD14 SD15	SD1 SD1 Merrill DP1 DP1 Merrill	DP1S DP1X DP2 DP2 Merrill	DP2S DP2X
Sinar				
	3072x2048	4080x4080	4080x5440	STI format
SMaL				
	Ultra-Pocket 3	Ultra-Pocket 4	Ultra-Pocket 5	
Sony				
	DSC-F828 DSC-R1 DSC-RX1 DSC-RX100 DSC-V3	DSLR-A330 DSLR-A350 DSLR-A380 DSLR-A450 DSLR-A500	NEX-3 NEX-5 NEX-5N NEX-5R NEX-6	SLT-A37 SLT-A55V SLT-A57 SLT-A65V SLT-A77V
	DSLR-A100 DSLR-A200 DSLR-A230 DSLR-A290 DSLR-A300	DSLR-A550 DSLR-A580 DSLR-A700 DSLR-A850 DSLR-A900	NEX-7 NEX-C3 NEX-F3 SLT-A33 SLT-A35	SLT-A99V XCD-SX910CR
STV680				
	STV680 VGA			

Image Formats

The following image formats are supported.

Format	Scan	Proxy File
AI (Adobe Illustrator)	X	X
ARI (ARRIRAW)	X	X
BMP	X	X
CIN (Cineon),	X	X
DNG (Digital Negative)	X	X
DPX (Digital Picture Exchange)	X	X
EXR (Open EXR)	X	X
JPEG	X	X
PNG	X	X
PSD (Photoshop)	X	X
TIFF	X	X

Audio Formats

The following audio formats are supported.

Format	Scan	Proxy File
AIFF	X	X
MP3	X	X
WAV	X	X

