Supported video devices

Catalyst Prepare supports the following Sony video volumes and devices:

Name	Volume/Device Name	Storage Media	Folder Structure	Root Folder	File System	Read/Write Support
VFAM	PDW-U1/U2	Professional Disc	XD Style	-	pdudf	r/w
FAM	PDW-HD1400 F1600	Professional Disc	XD Style	-	PRODISC	r/w
PD Offline USB	USB	USB Storage	XD Style without hi-res MXF	MSSONY/PRO/XDCAM/ MEMDISC	-	r/w
XDS-CIFS	XDCAM Station	Professional Disc Internal Storage SxS Memory		-	(XdsCifs)	r/w
SxS	SBAC-US10 / 20	SxS Memory Card	BPAV Style	BPAV	Fat32	r/w
SxS UDF	SBAC-US10 / 20	SxS Memory Card	XD Style	-	sxsudf	r/w
SxS Pro +	SBAC-US10 / 20	SxS Pro + Memory Card	XAVC-XD Style	XDROOT	exFAT	r/w
AXS Memory	AXS-CR1	AXS Memory / AXS2 Memory	AXS-Style	CINEROOT or any	exFAT	r
SRMemory	SR-DR1	SR Memory				r
NXCAM		SD Card	AVCHD	AVCHD/BDMV	fat32	r/w
XQD Card	PXW-FS7	XQD Card	XAVC-XD Style	XDROOT	exFAT	r/w

Supported video formats

Catalyst Prepare supports reading the following Sony video formats from volumes or as independent clips:

XDCAM

SD Format	Frame Size	Frame Rate	Field Order	Video Codec	Bit Rate	Audio Channels
DV	720x480	59.94i	Lower	DV	25 CBR	
DV	720x576	50i	Lower	DV	25 CBR	
MPEG IMX	720x512	59.94i	Lower	MPEG-2 Intra	30, 40, 50 CBR	4x24 bit / 8x16 bit
MPEG IMX	720x608	50i	Upper	MPEG-2 Intra	30, 40, 50 CBR	4x24 bit / 8x16 bit

HD Format	Frame Size	Pixel Aspect Ratio	Frame Rate	Video Codec	Bit Rate
MPEG HD	1280x720	1	50p, 59.94p	MPEG-2 Long GOP	25 CBR
MPEG HD	1280x720	1	50p, 59.94p	MPEG-2 Long GOP	35 VBR
MPEG HD	1280x720	1	50p, 59.94p	MPEG-2 Long GOP	50 CBR
MPEG HD	1440x1080	1.333	23.976p, 25p, 29.97p, 50i, 59.94i	MPEG-2 Long GOP	17.5 CBR
MPEG HD	1440x1080	1.333	23.976p, 25p, 29.97p, 50i, 59.94i	MPEG-2 Long GOP	25 CBR
MPEG HD	1440x1080	1.333	23.976p, 25p, 29.97p, 50i, 59.94i	MPEG-2 Long GOP	35 CBR

MPEG HD	1440x540		23.976p, 25p, 29.97p, Over Crank	MPEG-2 Long GOP	8.75 CBR
MPEG HD	1440x540		23.976p, 25p, 29.97p, Over Crank	MPEG-2 Long GOP	12.5 CBR
MPEG HD	1440x540		23.976p, 25p, 29.97p, Over Crank	MPEG-2 Long GOP	17.5 CBR
MPEG HD422	1920x1080	1	23.976p, 25p, 29.97p, 50i, 59.94i	MPEG-2 Long GOP	50 CBR
MPEG HD422	1920x540		23.976p, 25p, 29.97p, Over Crank	MPEG-2 Long GOP	25 CBR

XDCAM EX

Format	Frame Size	Pixel Aspect Ratio	Frame Rate	Field Order	Video Codec	Audio Codec	Bit Rate
DV	720x480	0.9091	59.94p	Lower	DV	PCM, 48 kHz, 16 bit	25 CBR
DV	720x576	1.0926	50i	Upper	DV	PCM, 48 kHz, 16 bit	25 CBR
MPEG HD (EX-HQ)	1280x720		23.976p, 25p, 29.97p, 50p, 59.94p		MPEG-2 Long GOP	PCM, 48 kHz, 16 bit	35 VBR
MPEG HD (EX-SP)	1440x1080		50i, 59.94i		MPEG-2 Long GOP	PCM, 48 kHz, 16 bit	25 CBR
MPEG HD (EX-HQ)	1440x1080		23.976p, 25p, 29.97p, 50i, 59.94i		MPEG-2 Long GOP	PCM, 48 kHz, 16 bit	35 VBR
MPEG HD422 (EX-HQ)	1920x1080		23.976p, 25p, 29.97p, 50i, 59.94i		MPEG-2 Long GOP	PCM, 48 kHz, 16 bit	35 VBR

XAVC Intra

Format	Frame Size	Pixel Aspect Ratio	Frame Rate	Video Codec	Audio Channels (PCM, 48 kHz, 24 bit)	Bit Rate
XAVC Intra	1440x1080	1.333	50i, 59.94i, 23.976p, 25p, 29.97p	MPEG-4 AVC Intra	8	CBG 50
XAVC Intra	1920x1080	1	50i, 59.94i, 23.976p, 25p, 29.97p, 50p, 59.94p	MPEG-4 AVC Intra	8, 16	CBG 100
XAVC Intra HFR	1920x1080	1	50p, 50i, 59.94p, 59.94i	MPEG-4 AVC Intra	0	CBG 100
XAVC Intra	2048x1080	1	23.976p, 24p, 25p, 29.97p, 50p, 59.94p	MPEG-4 AVC Intra	8	VBR
XAVC Intra	2048x1080	1	23.976p, 24p, 25p, 29.97p, 50p, 59.94p	MPEG-4 AVC Intra	8, 16	CBG 100
XAVC Intra	3840x2160	1	23.976p, 25p, 29.97p, 50p, 59.94p	MPEG-4 AVC Intra	8	VBR
XAVC Intra	3840x2160	1	23.976p, 25p, 29.97p, 50p, 59.94p	MPEG-4 AVC Intra	8, 16	CBG 300
XAVC Intra	4096x2160	1	23.976p, 24p, 25p, 29.97p, 50p, 59.94p	MPEG-4 AVC Intra	8	VBR
XAVC Intra	4096x2160	1	23.976p, 24p, 25p, 29.97p, 50p, 59.94p	MPEG-4 AVC Intra	8, 16	CBG 300

XAVC Long-GOP

Format	Frame Size	Pixel Aspect Ratio	Frame Rate	Video Codec	Audio	Bit Rate
XAVC Long	1280x720	1	50p, 59.94p	MPEG-4 AVC Long, High 422 Profile	4-channel PCM, 48 kHz, 24 bit	80 (Maximum)
XAVC Long	1920x1080	1	23.976p, 25p, 29.97p, 50p, 50i, 59.94p, 59.94i	MPEG-4 AVC Long, High 422 Profile	4-channel PCM, 48 kHz, 24 bit	80 (Maximum)
XAVC Long	3840x2160	1	23.976p, 25p, 29.97p, 50p, 59.94p	MPEG-4 AVC Long, High Profile	4-channel PCM, 48 kHz, 24 bit	200 (Maximum)
XAVC Long Proxy	480x270	1	23.976p, 25p, 29.97p, 50p, 59.94p	MPEG-4 AVC Long, High Profile	MPEG-4 AAC, 2 channels, 48 kHz, 256 kbps MPEG-4 AAC, 6 (5.1) channels, 48 kHz,640 kbps	1 or .5 Mbps
XAVC Long Proxy	640x360	1	23.976p, 25p, 29.97p, 50p, 59.94p	MPEG-4 AVC Long, High Profile	MPEG-4 AAC, 2 channels, 48 kHz, 256 kbps MPEG-4 AAC, 6 (5.1) channels, 48 kHz,640 kbps	3 Mbps
XAVC Long Proxy	1280x720	1	23.976p, 25p, 29.97p, 50p, 59.94p	MPEG-4 AVC Long, High Profile	MPEG-4 AAC, 2 channels, 48 kHz, 256 kbps MPEG-4 AAC, 6 (5.1) channels, 48 kHz,640 kbps	9 Mbps

XAVC S

Format	Frame Size	Pixel Aspect Ratio	Frame Rate	Video Codec	Audio	Bit Rate
XAVC Long	1280x720	1	23.976p, 25p, 29.97p, 50p, 59.94p	MPEG-4 AVC Long, Main Profile or High Profile	2-channel PCM, 48 kHz, 16 bit	40
XAVC Long	1280x720	1	100p, 119.88p	MPEG-4 AVC Long, Main Profile or High Profile	2-channel PCM, 48 kHz, 16 bit	80
XAVC Long	1440x1080	1	23.976p, 25p, 29.97p, 50p, 59.94p	MPEG-4 AVC Long, Main Profile or High Profile	2-channel PCM, 48 kHz, 16 bit	80
XAVC Long	1920x1080	1	23.976p, 25p, 29.97p, 50p, 59.94p	MPEG-4 AVC Long, Main Profile or High Profile	2-channel PCM, 48 kHz, 16 bit	80
XAVC Long	1920x1080	1	100p, 119.88p	MPEG-4 AVC Long, Main Profile or High Profile	2-channel PCM, 48 kHz, 16 bit	150
XAVC Long	3840x2160	1	23.976p, 25p, 29.97p	MPEG-4 AVC Long, Main Profile or High Profile	2-channel PCM, 48 kHz, 16 bit	188

XAVC Long	3840x2160	1	50p, 59.94p	MPEG-4 AVC Long, Main Profile or High Profile	2-channel PCM, 48 kHz, 16 bit	300

NXCAM

Format	Frame Size	Frame Rate	Audio
H.264/MPEG-4 AVC	1280x720	50p, 59.94p	2-channel PCM, 48 kHz, 16 bit 2-channel AC-3, 48 kHz, 16 bit
H.264/MPEG-4 AVC	1440x1080	50i, 59.94i	2-channel PCM, 48 kHz, 16 bit 2-channel AC-3, 48 kHz, 16 bit
H.264/MPEG-4 AVC	1920x1080	23.976p, 25p, 29.97p, 50i, 50p, 59.94i, 59.94p	2-channel PCM, 48 kHz, 16 bit 2-channel AC-3, 48 kHz, 16 bit

RAW

Format	Frame Size	Bits	Frame Rate	Compression
F5/F55RAW	2048x1080	16	23.976p, 24p, 25p, 29.97p, 50p, 59.94p, HFR (max. 240)	SQ
F5/F55RAW	4096x2160	16	23.976p, 24p, 25p, 29.97p, 50p, 59.94p, 240p	SQ
F65RAW	4096x2160	16	23.976p, 24p, 25p, 29.97p, 50p, 59.94p, HFR (max. 120)	Lite, SQ
FS700RAW	2048x1080	16	23.976p, 25p, 29.97p, 50p, 59.94p, HFR (max. 240)	SQ
FS700RAW	4096x2160	16	23.976p, 25p, 29.97p, 50p, 59.94p, HFR (max. 120)	SQ

HDCAM SR (SStP)

Format	Frame Size	Bits	Color Space	Pixel Aspect Ratio	Frame Rate	Compression (Mbps)
SSTP	1280x720	10	YUV 422	1	50p, 59.94p	Lite(220), SQ(440)

SSTP	1920x1080	10	YUV 422	1	50i, 59.94i, 23.976p, 24p, 25p, 29.97p, 50p, 59.94p	Lite(220), SQ(440)
SSTP	1920x1080	10	RGB 444	1	50i, 59.94i, 23.976p, 24p, 25p, 29.97p, 50p, 59.94p	SQ(440), HQ(880)
SSTP	1920x1080	12	RGB 444	1	50i, 59.94i, 23.976p, 24p, 25p, 29.97p, 50p, 59.94p	HQ(880)
SSTP	2048x1080	10	YUV 422	1	50p, 59.94p	Lite(220), SQ(440)
SSTP	2048x1080	10	RGB 444	1	50i, 59.94i, 23.976p, 24p, 25p, 29.97p, 29.97p	SQ(440)
SSTP	2048x1080	10	RGB 444	1	23.976p, 24p, 25p, 29.97p, 29.97p	HQ(880)
SSTP	2048x1080	12	RGB 444	1	50i, 59.94i, 23.976p, 24p, 25p, 29.97p, 29.97p	SQ(440)
SSTP	2048x1080	12	RGB 444	1	23.976p, 24p, 25p, 29.97p, 29.97p, 50p, 59.94p	HQ(880)
SSTP	2048x1080	12	RGB 444	1	23.976p, 24p, 25p, 29.97p, 29.97p	SQ(440)
SSTP	2048x1080	12	RGB 444	1	23.976p, 24p, 25p, 29.97p, 29.97p, 50p, 59.94p	HQ(880)
SSTP	2048x1556	10	RGB 444	1	23.976p, 24p, 25p	HQ(880)

AVCHD

Format	Frame Size	Pixel Aspect Ratio	Frame Rate	Video Codec	Audio Codec	Bit Rate
AVCHD	1920x1080	1	59.94i, 50i, 29.97p	H.264/MPEG-4 AVC	Dolby AC-3 or PCM 2 channels, 48 kHz, 16 bit	28 Mbps
AVCHD	1920x1080	1	59.94p, 59.94i, 50p, 50i, 29.97p	H.264/MPEG-4 AVC	Dolby AC-3 or PCM 2 channels, 48 kHz, 16 bit	28 Mbps
AVCHD	1920x1080	1	59.94i, 50i, 29.97p, 25p, 23.976p	H.264/MPEG-4 AVC	Dolby AC-3 or PCM 2 channels, 48 kHz, 16 bit	24 or 17 Mbps
AVCHD	1280x1080		59.94p	H.264/MPEG-4 AVC	Dolby AC-3 or PCM 2 channels, 48 kHz, 16 bit	24 or 17 Mbps
AVCHD	1440x1080		59.94i, 50i	H.264/MPEG-4 AVC	Dolby AC-3 or PCM 2 channels, 48 kHz, 16 bit	9 or 5 Mbps
AVCHD	720x480		59.94i, 50i	MPEG-2	Dolby AC-3 2 channels, 48 kHz, 16 bit	9 Mbps

AVC H.264/MPEG-4

Format	Frame Size	Screen AR	Frame Rate	Video Codec	Audio Codec	Bit Rate
H.264/MPEG-4 AVC	1280x720	16:09	50p, 100p, 100p, 120p,	AVC	Mono, 48kHz, AAC compression w/ AGC	
H.264/MPEG-4 AVC	1920x1080	16:09	24p, 25p, 30p, 48p, 50p, 60p	AVC	Mono, 48kHz, AAC compression w/ AGC	
H.264/MPEG-4 AVC	1920x1440	4:03	24p, 25p, 30p, 48p	AVC	Mono, 48kHz, AAC compression w/ AGC	
H.264/MPEG-4 AVC	3840x2160	16:09	12p, 12.5p, 15p	AVC	Mono, 48kHz, AAC compression w/ AGC	

H.264/MPEG-4 AVC	4096x2160	17:09	12p	AVC	Mono, 48kHz, AAC compression w/ AGC	
H.264/MPEG-4 AVC	2704x1524	16:09	25p, 30p	AVC	Mono, 48kHz, AAC compression w/ AGC	
H.264/MPEG-4 AVC	2704x1440	17:09	24p	AVC	Mono, 48kHz, AAC compression w/ AGC	
H.264/MPEG-4 AVC	1280x960	4:03	48p, 100p	AVC	Mono, 48kHz, AAC compression w/ AGC	
H.264/MPEG-4 AVC	848x480	16:09	240p	AVC	Mono, 48kHz, AAC compression w/ AGC	
H.264/MPEG-4 AVC	640x480	4:03	25p, 30p	AVC	Mono, 48kHz, AAC compression w/ AGC	
H.264/MPEG-4 AVC	240x180		25p, 29.97p	AVC	2 channels, 16 bit, AAC compression w/ AGC	2 Mbps VBR
H.264/MPEG-4 AVC	320x180		25p, 29.97p	AVC	2 channels, 16 bit, AAC compression w/ AGC	2 Mbps VBR
H.264/MPEG-4 AVC	320x240		25p, 29.97p	AVC	2 channels, 16 bit, AAC compression w/ AGC	2 Mbps VBR
H.264/MPEG-4 AVC	480x270		25p, 29.97p	AVC	2 channels, 16 bit, AAC compression w/ AGC	2 Mbps VBR
H.264/MPEG-4 AVC	640x480		25p, 29.97p	AVC	2 channels, 16 bit, AAC compression w/ AGC	2 Mbps VBR
H.264/MPEG-4 AVC	1280x720		50p, 60p, 100p,120p	AVC	2 channels, 16 bit, AAC compression w/ AGC	8 Mbps VBR
H.264/MPEG-4 AVC	1280x960		48p, 100p,120p	AVC	2 channels, 16 bit, AAC compression w/ AGC	8 Mbps VBR
H.264/MPEG-4 AVC	1920x1080		24p, 25p, 29.97p, 48p, 50p, 60p	AVC	2 channels, 16 bit, AAC compression w/ AGC	12 Mbps VBR
H.264/MPEG-4 AVC	1920x1440		24p, 25p, 29.97p, 48p	AVC	2 channels, 16 bit, AAC compression w/ AGC	12 Mbps VBR
H.264/MPEG-4 AVC	2704x1524		24p, 25p, 29.97p	AVC	2 channels, 16 bit, AAC compression w/ AGC	12 Mbps VBR
H.264/MPEG-4 AVC	3840x2160		12.5p,15p	AVC	2 channels, 16 bit, AAC compression w/ AGC	12 Mbps VBR
H.264/MPEG-4 AVC	4096x2160		12p	AVC	2 channels, 16 bit, AAC compression w/ AGC	12 Mbps VBR
H.264/MPEG-4 AVC (HVO)	720x480		59.94i	AVC	2 channels, 16 bit, AAC compression w/ AGC	5, 7, or 9 Mbps VBR
H.264/MPEG-4 AVC (HVO)	720x576		50i	AVC	2 channels, 16 bit, AAC compression w/ AGC	5, 7, or 9 Mbps VBR

HDV

Container: MPEG-2 Transport Stream (Windows), MOV (Mac)

Audio Codec: MPEG-1 Audio Layer-2 (Windows). 2 channels, 48 kHz, 16 bit

Format	Frame Size	Pixel Aspect Ratio	Frame Rate	Interlace	Video Codec
HDV	1440x1080	1.333	50i, 59.94i	Upper	MPEG-2 MP@H14

DV

Container: AVI (Windows), MOV (Mac)
Audio Codec: PCM, 2 channels, 32 kHz, 16 bit

Format	Frame Size	Frame Rate	Field Order	Video Codec	Bit Rate	Audio Channels
DV (SD)	720x480	59.94i	Lower	DV	25 CBR	2 channels, 32 kHz, 16 bit
DV (SD)	720x576	50i	Lower	DV	25 CBR	2 channels, 32 kHz, 16 bit

Other Supported Video Formats

Catalyst Prepare supports the following video camera formats:

Camera model	Format	Recording media	Video Codec	Audio Codec	Hightest frame size and frame rate
Canon EOS C100	MOV, MPEG-4 AVC/H.264	SDXC, SDHC, SD	MPEG-4 AVC/H.264	Linear PCM/AC3	1080, 60i
Canon EOS C300	Canon XF codec, MPEG-2	CF card (type 1 only)	MXF (OP-1a)	Linear PCM	1080, 59.94i
Canon EOS C500 4K	MPEG-2 / RAW	CF card (type 1 only), SD/SDHC/SDXC	MPEG-2	Linear PCM	4K RAW 10bit 4096x1080 or 3840x1080 at 62p
Canon EOS 1DX	MOV, MPEG-4 AVC/H.264	CompactFlash Type II	MPEG-4 AVC/H.264	Linear PCM	1080p, 30fps
Canon EOS 6D	MOV, MPEG-4 AVC/H.264	SDXC, SDHC, SD	MPEG-4 AVC/H.264	Linear PCM	1080p, 30fps
Canon EOS 70D	MOV, MPEG-4 AVC/H.264	SDXC, SDHC, SD	MPEG-4 AVC/H.264	Linear PCM	1080p, 30fps
Canon EOS 5D	MOV, MPEG-4 AVC/H.264	SDXC, SDHC, SD	MPEG-4 AVC/H.264	Linear PCM	1080p, 30fps
Canon EOS 7D	MOV, MPEG-4 AVC/H.264	CompactFlash	MPEG-4 AVC/H.264	Linear PCM	1080p, 30fps
GoPro HERO2 White Edition	MPEG-4	Micro SD (class 10)	MP4, H.264	48k mono, AAC	1080p, 30fps
GoPro HERO3+ Black Edition	MPEG-4	Micro SD (class 10)	MP4, H.264	48k mono, AAC	4K, 12fps/1080p,48fps
GoPro HERO3+ Silver Edition	MPEG-4	Micro SD (class 10)	MP4, H.264	48k mono, AAC	1080p, 60fps