

RAW Exporter

[Help](#)

Software Version 5.0

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Overview

RAW Exporter is a tool that allows you to execute the export functions of RAW Viewer via command lines. The settings that are configured in the RAW Viewer screen can be specified using RAW Exporter parameters.

The parameters can also be configured in a separate file and then executed.

Operating Requirements

Identical to that of RAW Viewer. For details, refer to the installation guide for RAW Viewer.

RAW Exporter will be installed into the same folder as the RAW Viewer executable file.

The default installation folders are as follows.

For Mac OS: /Applications/RAW Viewer.app/Contents/MacOS/rawexporter

For Windows: C:\Program Files\Sony\RAW Viewer\rawexporter.exe



Note: The PATH environment variable is not configured automatically. If necessary, configure the environment variable manually.

Defining Commands

To execute RAW Exporter, specify parameters and arguments after “rawexporter” and execute the command. Enter spaces as separators between parameters and other parameters and between parameters and arguments.

Example:

```
> rawexporter --input aabb --out bbcc
```

Parameters

Parameter	Function
Input file parameters	
--input [-I] (file name)	Specify the input file name.
--in (In point)	Specify the frame or time code of the In point.
--out (Out point)	Specify the frame or time code of the Out point.
--duration	Specify the duration by number of frames or time code.
Output file parameters	
--output [-O] (file name)	Specify the base part of the output file name.
--dir [-D] (directory name)	Specify the output directory name.
--delimiter (character)	Specify the characters to be used as separators between the file names and sequence numbers of sequential files. . (periods), _ (underscores), - (hyphens)
--digits	Specify the number of digits to include in the sequence number that is added to sequential files.
--start (start number)	Specify the starting number of the sequence number that is added to sequential files.
--duplication (processing mode)	Specify how to process duplicate file names that occur in the output directory. ERROR, OVERWRITE, SUBFOLDER
--subfolder	Create a subfolder to which to output the file.
Video parameters	
--video [-V] (format)	Specify the video format of the output file. DPX, EXR, SSTP_LITE, SSTP_SQ_422, SSTP_SQ_444, SSTP_HQ, PRORES_PROXY, PRORES_LT, PRORES, PRORES_HQ, PRORES_4444, PRORES_4444XQ, XAVC, NONE
--width (screen width)	Specify the width of the screen resolution.
--height (screen height)	Specify the height of the screen resolution.
--resolution (screen resolution)	Specify the screen resolution.
--depth (bit width)	Specify the bit width of the video.
--class	Specify the XAVC class. 100, 300, 480
--compression	Specify the OpenEXR compression format. NONE, RLE, ZIPS, ZIP, PIZ
--exrmeta	Output metadata in OpenEXR.

Parameter	Function
--quality (quality mode)	Specify the quality mode of the video. QUALITY, SPEED
--flip (flip mode)	Specify the flip mode of the video. NONE, H, V, HV
--scaling (scaling mode)	Specify the scaling mode of the video. ENTIRE, CROP
--desqueeze (factor)	Specify the desqueeze factor.
--aspect (aspect ratio)	Specify the aspect ratio.
--marker	Enable markers.
--markermask (mask mode)	Specify the mask mode for markers. OFF, HALF, BLACK
--markerthickness (thickness)	Specify the thickness of marker lines.
--markerintensity (brightness)	Specify the brightness of marker lines. HIGH, LOW
--trim	Output the sections specified by "--in," "--out," and "--duration" in their original format.
--changefps (FPS)	Convert to the specified frame rate (FPS) for output.
--sharpness (strength)	Specify the sharpness strength.
Audio parameters	
--audio [-A] (format)	Specify the audio format of the output file. BWF, NONE
--ch (output channel)	Specify the bitmask of the output channel.
--ch1	Output Ch 1-2.
--ch2	Output Ch 3-4.
--ch3	Output Ch 5-6.
--ch4	Output Ch 7-8.
--ch5	Output Ch 9-10.
--ch6	Output Ch 11-12.
--ch7	Output Ch 13-14.
--ch8	Output Ch 15-16.
Color processing parameters	
--material (material color space)	Specify the material color space. SGAMUT_SLOG2, SGAMUT3_SLOG3, SGAMUT3CINE_SLOG3, REC2020_SLOG3, REC709, REC2020, ACES, REC2020_SLOG3_LIVE
--range (color value range)	Specify the range of color values. FULL, LEGAL

Parameter	Function
--invootf (OOTF name)	Specify the OOTF for Inv.HDR. BYPASS, SLOG3LIVE
--bake (bake mode)	Specify the bake mode. SGAMUT_LINEAR, SGAMUT_SLOG2, SGAMUT3_LINEAR, SGAMUT3_SLOG3, SGAMUT3CINE_SLOG3, ACES, INPUT, ALL
--ei (exposure index)	Specify the exposure index value.
--kelvin (Kelvin value)	Specify the Kelvin value.
--tint (tint value)	Specify the tint value.
--lineargain (gain value)	Specify the linear gain value.
--lineargainr (R component of gain value)	
--lineargaing (G component of gain value)	
--lineargainb (B component of gain value)	
--ledwallkelvin	Specify the LED Wall Kelvin value for ICVFX mode.
--lightblend	Specify the Light Blend value for ICVFX mode.
--grading (grading color space)	Specify the grading color space. SGAMUT_SLOG2, SGAMUT3_SLOG3, SGAMUT3CINE_SLOG3, REC2020_SLOG3, ACESCC, ACESCCT, CUSTOM
--color (color gamut)	Specify the color gamut. REC709, SGAMUT, SGAMUT3, SGAMUT3CINE, REC2020, P3DCI, P3D60
--tone (tone curve)	Specify the tone curve. HG8009G40, HG8009G33, SLOG2, SLOG3, PQ, HLG, REC709, GAMMA22, GAMMA24, GAMMA26, user LUT
--prelut (LUT)	Specify the LUT. Profile number, look name, EMBEDDED3DLUT, LUT name, 3DLUT file name
--cdlmeta	Apply the CDL parameters stored in the metadata.
--cdlfile (CDL file name)	Import and apply CDL parameters from the specified file.
--contrast	Specify the CDL contrast value.
--brightness	Specify the CDL brightness value.

Parameter	Function
--lift	Specify the CDL lift value.
--liftr (R component of lift value)	
--liftg (G component of lift value)	
--liftb (B component of lift value)	
--gamma	Specify the CDL gamma value.
--gammar (R component of gamma value)	
--gammag (G component of gamma value)	
--gammab (B component of gamma value)	
--gain	Specify the CDL gain value.
--gainr (R component of gain value)	
--gaing (G component of gain value)	
--gainb (B component of gain value)	
--sat (saturation value)	Specify the CDL saturation value.
--postlut (LUT)	Specify the LUT to use for the screen display. Profile number, look name, EMBEDDED3DLUT, LUT name, 3DLUT file name
--eotf (EOTF name)	Specify the EOTF. SLOG3, PQ, HLG_VARIABLE, SLOG3LIVE
--ootf (OOTF name)	Specify the OOTF. BYPASS, SLOG3LIVE, PQ, HLG
--looktransform (look transform name)	Specify the look transform. NONE, GAMUT, BLAF, 07, 02, 01
--outputtransform (output transform name)	SRGB, SRGB_D60, REC709, REC709_D60, REC2020, REC2020_P3D65, REC2020_REC709, P3D60, P3DCI_D60, P3DCI_D65, P3D65, P3D65_D60, P3D65_REC709, P3D65_108, P3D65_1000, P3D65_2000, P3D65_4000, REC2020_HLG, REC2020_1000, REC2020_2000, REC2020_4000, DCDM, DCDM_P3D60, DCDM_P3D65

Parameter	Function
Metadata parameters	
--metalist	Display metadata items and values with one item per line.
--metaheader	Display metadata in CSV format with item names separated by commas.
--metavalue	Display metadata in CSV format with values separated by commas.
--metacd1 (file name)	Output metadata CDL values using the specified file name.
--metalens	Output lens metadata to the file.
--metaspiritlevel	Output spirit level metadata to the file.
Parameter file parameters	
--config (file name)	Import parameters from the specified file, and output the file.
Other parameters	
--device	Specify the device used. 0 (auto), 1 (CPU)
--display (progress display mode)	Specify the progress display mode. 0 (do not display), 1 (% display), 2 (progress bar display)
--version	Display the RAW Exporter version.
--help	Display a list of parameters that can be specified.

Input File Parameters

--input [-I] (file name)

Specify the input file name. MXF, ProRes, DPX, and OpenEXR formats are supported.

When specifying the name of a DPX/OpenEXR file, sequentially numbered files (base name + number) are read.

If a WAV file with the same base name exists, it is read for the audio.

This can be shortened to "-I."

--in (In point)

Specify the In point by the number of frames from the start point or by its time code (HH:MM:SS:FF).

If this parameter is omitted, "0" will be configured.

The combination of this parameter and "--out" and "--duration" specifies the input file range.

--out (Out point)

Specify the Out point by the number of frames from the start point or by its time code (HH:MM:SS:FF).

If this parameter is omitted, "the total number of frames minus 1" will be configured.

If both "--out" and "--duration" are specified, the "--out" parameter will be used.

--duration

Specify the duration by the number of frames or by time code (HH:MM:SS:FF).

If this parameter is omitted, "the total number of frames minus the number of frames specified for the In point" will be configured.

If both "--out" and "--duration" are specified, the "--out" parameter will be used.

Output File Parameters

--output [-O] (output file name)

Specify the base part of the output file name.

This can be shortened to "-O."

The name of the output file will consist of the character string specified here, followed by a sequential number and extension that will be added automatically.

(Example: sample00001.dpx)

If this parameter is omitted, the input file name will be configured.

--dir [-D] (output directory name)

Specify the output directory name.

This can be shortened to "-D."

If this parameter is omitted, the current directory will be configured.

--delimiter (character)

Specify the characters to be used as separators between output file names and sequence numbers.

You can select from periods (.), underscores (_), and hyphens (-).

If this parameter is omitted, "." (period) will be configured.

--digits (number of digits in sequence numbers)

Specify the number of digits to include in the sequence numbers that are added to sequential files.

You can specify a value from 4 to 10. If this parameter is omitted, "5" will be configured.

--start (starting number of sequence numbers)

Specify the starting number of the sequence numbers that are added to sequential files.

If this parameter is omitted, "0" will be configured.

--duplication (processing mode for duplicate files)

Select the process to perform when a specified file name already exists in the folder. Specify one of the following character strings.

Argument	Meaning
ERROR	End operation in an error.
OVERWRITE	Overwrite the file.
SUBFOLDER	Create a subfolder with the same name as the file, and output the file to that folder.

If this parameter is omitted, "ERROR" will be configured.

If "--subfolder" is also specified, this parameter will be ignored.

--subfolder

Create a subfolder with the same name as the specified file name, and output the file to that folder.

Video Parameters

--video [-V] (video format)

Specify the video format of the output file. Specify one of the following character strings.

Argument	Meaning
DPX	dpx file
EXR	OpenEXR file
SSTP_LITE	SStP SR-Lite 422
SSTP_SQ422	SStP SR-SQ 422
SSTP_SQ444	SStP SR-SQ 444
SSTP_HQ	SStP SR-HQ 444
PRORES_PROXY	Prores 422 (Proxy)
PRORES_LT	Prores 422 (LT)
PRORES	Prores 422
PRORES_HQ	Prores 422 (HQ)
PRORES_4444 ¹⁾	Prores 4444
PRORES_4444XQ ¹⁾	Prores 4444
XAVC	XAVC
NONE	Do not output

1) PRORES_4444 and PRORES_4444XQ can be specified for the following input file encodings.

- SStP (Sub Sampling is 4:4:4)
- RAW
- X-OCN

If this parameter is omitted, "NONE" will be configured.

--width (screen width)

Specify the width of the screen resolution.

The screen resolution is specified via the combination of the "--width" and "--height" parameters, or via the "--resolution" parameter. If both are specified, the "--resolution" parameter will be used.

--height (screen height)

Specify the height of the screen resolution.

--resolution (screen resolution)

Specify the screen resolution using one of the following character strings.

Argument	Resolution
8192×4320	8192×4320
7680×4320	7680×4320
4096×2160	4096×2160
3840×2160	3840×2160
2048×1080	2048×1080
1920×1080	1920×1080
4096×1716	4096×1716
3996×2160	3996×2160
2048×858	2048×858
1998×1080	1998×1080
FULL	Same resolution as input resolution
1/2	Half the resolution of the input resolution
8K	8192×4320
UTDTV	7680×4320
8KUHD	7680×4320
4K	4096×2160
QFHD	3840×2160
UHD	3840×2160
2K	2048×1080
HD	1920×1080
4KSCOPE	4096×1716
4KFLAT	3996×2160
2KSCOPE	2048×858
2KFLAT	1998×1080

In addition, the arguments that can be specified will vary depending on the video format specified in "--video" and the video codec and resolution recorded in the metadata of the input file.

When "--video" is "DPX" or "EXR"

Any resolution can be specified.

If "--width," "--height," and "--resolution" are all omitted, the resolution value of the input file will be configured.

When "--video" is an argument that starts with "SSTP"

Only 1920×1080 can be specified.

If "--width," "--height," and "--resolution" are all omitted, 1920×1080 will be configured.

When "--video" is an argument that starts with "PRORES"

4096×2160, 3840×2160, 2048×1080, or 1920×1080 can be specified.

If "--width," "--height," and "--resolution" are all omitted, the resolution value of the input file will be configured. However, if the resolution of the input file exceeds 4096×2160, 4096×2160 will be configured.

When "--video" is "XAVC"

4096×2160, 3840×2160, 2048×1080, or 1920×1080 can be specified.

If the frame rate is 24P, 4096×2160 or 2048×1080 can be specified.

If "--width," "--height," and "--resolution" are all omitted, the resolution value of the input file will be configured.

If "--trim" is also specified at the same time, this parameter will be disabled.

--depth (bit width)

Specify the bit width of the video.

The arguments that can be specified differ depending on the video format specified for "--video."

Video format	Selectable arguments	Argument when omitted
DPX	10 / 16	16
EXR	16 / 32	32
SSTP_LITE	10	10
SSTP_SQ_422	10	10
SSTP_SQ_444	10	10
SSTP_HQ	10 / 12	12
PRORES_PROXY	10	10
PRORES_LT	10	10
PRORES	10	10
PRORES_HQ	10	10
PRORES_4444	12	12
PRORES_4444XQ	12	12
XAVC	10	10

If "--trim" is also specified at the same time, this parameter will be disabled.

--class

Specify the XAVC class. Enabled when XAVC is specified using "--video."

Argument	Meaning
100	Class 100
300	Class 300
480	Class 480

The arguments that can be specified depend on the resolution.

Resolution	Selectable arguments	Argument when omitted
1920×1080	100	100
2040×1080	100	100
3840×2160	300, 480	300
4096×2160	300, 480	300

--compression

Specify the OpenEXR compression format. Enabled when EXR is specified using "--video."

Argument	Meaning
NONE	No compression
RLE	Run-length encoding
ZIPS	Zip compression (1 scan line)
ZIP	Zip compression (16 scan line)
PIZ	Wavelet compression

If this parameter is omitted, "NONE" will be configured.

--exrmeta

Output metadata in OpenEXR.

--quality (quality mode)

Specify one of the following modes.

Argument	Meaning
QUALITY	Prioritize quality
SPEED	Prioritize speed

This parameter is enabled when the input file is a RAW file.

If the video codec of the input file is F65RAW SQ or F65RAW Lite and "--resolution" is set to 8192×4320 or 7680×4320, this parameter will be disabled.

If the video codec of the input file is F65RAW SQ HFR and "--resolution" is set to 8192×4320, 7680×4320, 4096×2160, 3840×2160, 4096×1716, or 3996×2160, this parameter will be disabled.

If this parameter is omitted, "QUALITY" will be configured.

Depending on the video codec and resolution of the input file, the "--video," "--resolution," and "--quality" combinations you can specify are as follows.

For F65RAW SQ/Lite

--resolution	--video					--quality
	DPX/EXR	SSTP	PRORES	XAVC	XAVC(24P)	
8192×4320	Yes	No	No	No	No	No
7680×4320	Yes	No	No	No	No	No
4096×2160	Yes	No	Yes	Yes	Yes	Yes
3840×2160	Yes	No	Yes	Yes	No	Yes
2048×1080	Yes	No	Yes	Yes	Yes	Yes
1920×1080	Yes	Yes	Yes	Yes	No	Yes
4096×1716	Yes	No	No	No	No	Yes
3996×2160	Yes	No	No	No	No	Yes
2048×858	Yes	No	No	No	No	Yes
1998×1080	Yes	No	No	No	No	Yes
FULL	Yes	No	No	No	No	Yes
1/2	Yes	No	No	No	No	Yes

For F65RAW SQ HFR

--resolution	--video					--quality
	DPX/EXR	SSTP	PRORES	XAVC	XAVC(24P)	
8192×4320	Yes	No	No	No	No	No
7680×4320	Yes	No	No	No	No	No
4096×2160	Yes	No	Yes	Yes	Yes	No
3840×2160	Yes	No	Yes	Yes	No	No
2048×1080	Yes	No	Yes	Yes	Yes	Yes
1920×1080	Yes	Yes	Yes	Yes	No	Yes
4096×1716	Yes	No	No	No	No	No
3996×2160	Yes	No	No	No	No	No
2048×858	Yes	No	No	No	No	Yes
1998×1080	Yes	No	No	No	No	Yes
FULL	Yes	No	No	No	No	No
1/2	Yes	No	No	No	No	Yes

For F55/F5/FS700RAW, MPC-3610 (VENICE/CineAltaV), MPC-3628, MPC-3626 (VENICE 2/CineAltaV 2), MPC-2610 (BURANO/CineAltaB)

--resolution	--video					--quality
	DPX/EXR	SSTP	PRORES	XAVC	XAVC(24P)	
8192×4320	Yes	No	No	No	No	Yes
7680×4320	Yes	No	No	No	No	Yes
4096×2160	Yes	No	Yes	Yes	Yes	Yes
3840×2160	Yes	No	Yes	Yes	No	Yes
2048×1080	Yes	No	Yes	Yes	Yes	Yes
1920×1080	Yes	Yes	Yes	Yes	No	Yes
4096×1716	Yes	No	No	No	No	Yes
3996×2160	Yes	No	No	No	No	Yes
2048×858	Yes	No	No	No	No	Yes
1998×1080	Yes	No	No	No	No	Yes
FULL	Yes	No	No	No	No	Yes
1/2	Yes	No	No	No	No	Yes

For XAVC, SStP, DPX/OpenEXR, ProRes

--resolution	--video					--quality
	DPX/EXR	SSTP	PRORES	XAVC	XAVC(24P)	
8192×4320	Yes	No	No	No	No	No
7680×4320	Yes	No	No	No	No	No
4096×2160	Yes	No	Yes	Yes	Yes	No
3840×2160	Yes	No	Yes	Yes	No	No
2048×1080	Yes	No	Yes	Yes	Yes	No
1920×1080	Yes	Yes	Yes	Yes	No	No
4096×1716	Yes	No	No	No	No	No
3996×2160	Yes	No	No	No	No	No
2048×858	Yes	No	No	No	No	No
1998×1080	Yes	No	No	No	No	No
FULL	Yes	No	No	No	No	No

--flip (flip mode)

Specify the flip mode of the video.

Argument	Meaning
NONE	Do not flip
H	Flip left/right
V	Flip top/bottom
HV	Rotate 180 degrees

--scaling (scaling mode)

Specify the scaling mode of the video.

Argument	Meaning
ENTIRE	Outputs with black bars at the top/bottom or left/right of the video.
CROP	Cuts the top/bottom sides or left/right sides of the video for the aspect ratio specified using "--aspect", and outputs a signal with black margins on the top/bottom or left/right sides.

If this parameter is omitted, "ENTIRE" will be configured.

If "--resolution" is set to "FULL," "1/2," or "4096×2160" or higher, this parameter will be disabled.

--desqueeze (factor)

Specify the desqueeze factor.

Argument	Meaning
1	×1
1.25	×1.25
1.3	×1.3
1.5	×1.5
1.65	×1.65
1.8	×1.8
2	×2.0

If this parameter is omitted, "1" will be configured.

If "--resolution" is set to "FULL," "1/2," or "4096×2160" or higher, this parameter will be disabled.

--aspect (aspect ratio)

Specify the aspect ratio.

Argument	Meaning
OFF	OFF
4:3	4:3
13:9	13:9
14:9	14:9
15:9	15:9
16:9	16:9
17:9	17:9
9:16	9:16
1:1	1:1
1.43:1	1.43:1
1.66:1	1.66:1
1.85:1	1.85:1
2:1	2:1
2.2:1	2.2:1
2.35:1	2.35:1
2.39:1	2.39:1

If "OFF" is specified, the aspect ratio of the input file will be configured.

If this parameter is omitted, "OFF" will be configured.

--marker

Enable markers.

Markers are drawn with properties set by the "--markermask," "--markerthickness," and "--markerintensity" parameters.

If "--scaling" is set to "CROP," this parameter will be disabled.

--markermask (mask mode)

Specify the mask mode for markers.

Argument	Meaning
OFF	Off
HALF	Display with mask opacity of 50%
BLACK	Display with mask opacity of 100%

If this parameter is omitted, "HALF" will be configured.

--markerthickness (thickness)

Specify the thickness of the marker lines.

You can specify a value from 1 to 8. If this parameter is omitted, "2" will be configured.

--markerintensity (brightness)

Specify the brightness of marker lines.

Argument	Meaning
HIGH	High
LOW	Low

If this parameter is omitted, "HIGH" will be configured.

--trim

Output the sections specified by "--in," "--out," and "--duration" in their original format.

If "--video" or "--audio" is also specified at the same time, this parameter will be disabled.

If this parameter is specified, the values specified by the "--input," "--in," "--out," "--duration," "--output," "--dir," "--duplication," and "--subfolder" parameters will be used.

--changefps (FPS)

Specify the output file frame rate (FPS).

Argument	Meaning
23.98	23.98
24	24
25	25
29.97DF	29.97 DF
29.97NDF	29.97 NDF
47.95	47.95
50	50
59.94DF	59.94 DF
59.94NDF	59.94 NDF

If "--video," "--audio," or "--trim" is also specified at the same time, this parameter will be disabled.

If the "--changefps" parameter is specified, the values specified by the "--input," "--output," "--dir," "--duplication," and "--subfolder" parameters will be used.

--sharpness (strength)

Specify the sharpness strength.

You can specify a value from -300 to 500. If this parameter is omitted, a value of 0 will be configured.

Applicable when the codec of the input file is X-OCN or RAW (excluding F65).

If the output resolution is set to a resolution different from the input, it is applicable only when the image quality mode is set to "QUALITY".

Audio Parameters

--audio [-A] (audio format)

Specify the audio format. Specify one of the following character strings.

Argument	Meaning
BWF	bwf file
NONE	Do not output

If this parameter is omitted, "NONE" will be configured.

If the input file format is SStP or XAVC, this parameter will be disabled.

--ch (output channel)

Specify the bitmask of the output channel.

--ch1 to 8

Specify the channels for output.

Argument	Meaning
--ch1	Output Ch 1-2.
--ch2	Output Ch 3-4.
--ch3	Output Ch 5-6.
--ch4	Output Ch 7-8.
--ch5	Output Ch 9-10.
--ch6	Output Ch 11-12.
--ch7	Output Ch 13-14.
--ch8	Output Ch 15-16.

All channels specified in "--ch" and "--ch1" to "--ch8" will be output.

If "--ch" and "--ch1" to "--ch8" are all omitted, all channels will be output.

Example:

```
rawexporter --ch 3 --ch5
```

Ch 1-2, Ch 3-4, and Ch 9-10 will be output.

Color Processing Parameters

--material (material color space)

Specify the material color space.

Argument	Meaning
SGAMUT_SLOG2	S-Gamut/S-Log2
SGAMUT3_SLOG3	S-Gamut3/S-Log3
SGAMUT3CINE_SLOG3	S-Gamut3.Cine/S-Log3
REC2020_SLOG3	Rec2020/S-Log3
REC709	Rec709
REC2020	Rec2020
ACES	ACES
REC2020_SLOG3_LIVE	Rec2020/S-Log3(Live)

Material Color Space is set according to the video codec of the input file and the Capture Gamma metadata as shown in the following table. If Capture Gamma metadata is not present, Material Color Space can be set using the --material parameter.

If the video codec of the input file is SStP or XAVC, and the Capture Gamma metadata is S-Log2, S-Log3/S-Gamut3, or S-Log3/S-Gamut3.Cine, Material Color Space cannot be set using the "--material" parameter.

Codec	Capture Gamma	Material Color Space	--material setting
RAW/X-OCN	Any	RAW/X-OCN	No
SStP/XAVC	S-Log2	S-Gamut/S-Log2	No
	S-Log3/S-Gamut3	S-Gamut3/S-Log3	No
	S-Log3/S-Gamut3.Cine	S-Gamut3.Cine/S-Log3	No
	Other	Rec709	Yes
DPX/OpenEXR	Any	Rec709	Yes

--range (color value range)

Specify the range of color values.

Argument	Meaning
FULL	Full range
LEGAL	Legal range

If this parameter is omitted, "FULL" will be configured.

The arguments that can be specified are limited to the following depending on Material Color Space.

Material Color Space	FULL	LEGAL
RAW/X-OCN	Yes	No
S-Gamut/S-Log2	Yes	No
S-Gamut3/S-Log3	Yes	No
S-Gamut3.Cine/S-Log3	Yes	No
Rec2020/S-Log3	Yes	No
Rec709	Yes	Yes
Rec2020	Yes	Yes
ACES	Yes	No
Rec2020/S-Log3(Live)	Yes	No

--invootf (OOTF name)

Specify the OOTF for Inv.HDR that is used.

Argument	Meaning
BYPASS	Bypass
SLOG3LIVE	S-Log3(Live)

If this parameter is omitted, "BYPASS" will be configured.

The arguments that can be specified are limited to the following depending on Material Color Space.

Material Color Space	BYPASS	SLOG3LIVE
RAW/X-OCN	No	No
S-Gamut/S-Log2	No	No
S-Gamut3/S-Log3	No	No
S-Gamut3.Cine/S-Log3	No	No
Rec2020/S-Log3	Yes	Yes
Rec709	No	No
Rec2020	No	No
ACES	No	No

Material Color Space	BYPASS	SLOG3LIVE
Rec2020/S-Log3(Live)	Yes	No

--bake (bake mode)

Specify the bake mode.

Argument	Meaning
SGAMUT_LINEAR	S-Gamut/Linear
SGAMUT_SLOG2	S-Gamut/S-Log2
SGAMUT3_LINEAR	S-Gamut3/Linear
SGAMUT3_SLOG3	S-Gamut3/S-Log3
SGAMUT3CINE_SLOG3	S-Gamut3.Cine/S-Log3
ACES_LINEAR	ACES/Linear
INPUT	Applies the "Input Settings" parameters.
ALL	Applies all the parameters.

When an argument other than "INPUT" or "ALL" is specified, the other color processing parameters will be disabled.

When "INPUT" is specified, "--ei," "--kelvin," "--tint," "--color," "--tone," and "--colorlut" will be enabled and the other color processing parameters will be disabled.

When "XAVC" or an argument that starts with "SSTP" or "PRORES" is specified for "--video," "SGAMUT_LINEAR," "SGAMUT3_LINEAR," and "ACES_LINEAR" cannot be specified.

If this parameter is omitted, "ALL" will be configured.

The arguments that can be specified are limited to the following depending on Material Color Space.

Material Color Space	SGAMUT_LINEAR	SGAMUT_SLOG2	SGAMUT3_LINEAR	SGAMUT3_SLOG3	SGAMUT3CINE_SLOG3	ACES_LINEAR	INPUT	ALL
RAW/X-OCN (F65/F55/F5/FS700)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RAW/X-OCN (other models)	No	No	Yes	Yes	Yes	Yes	Yes	Yes
S-Gamut/S-Log2	Yes	Yes	No	No	No	Yes	Yes	Yes
S-Gamut3/S-Log3	No	No	Yes	Yes	Yes	Yes	Yes	Yes
S-Gamut3.Cine/S-Log3	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Rec2020/S-Log3	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Rec709	No	No	No	No	No	No	No	Yes
Rec2020	No	No	No	No	No	No	No	Yes
ACES	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Rec2020/S-Log3(Live)	No	No	Yes	Yes	Yes	Yes	Yes	Yes

--ei (exposure index)

When "INPUT" or "ALL" is specified for "--bake," this specifies the exposure index value.

You can specify a value from 80 to 10000.

If this parameter is omitted, the value stored in the metadata will be configured.

--kelvin (Kelvin value)

Specify the Kelvin value when "INPUT" or "ALL" is specified for "--bake."

You can specify a value from 2000 to 32000.

If this parameter is omitted, the value stored in the metadata will be configured.

--tint (tint value)

Specify the tint value when "INPUT" or "ALL" is specified for "--bake."

You can specify a value from -100.0 to 100.0.

If this parameter is omitted, "0.0" will be configured.

--lineargain (gain value), --lineargainr (R component of gain value), --lineargaing (G component of gain value), --lineargainb (B component of gain value)

Specify the linear gain value. To specify the RGB components individually, use "--lineargainr," "--lineargaing," and "--lineargainb."

When "--lineargain" and any one of "--lineargainr," "--lineargaing," or "--lineargainb" are specified at the same time, "--lineargainr," "--lineargaing," and "--lineargainb" will be enabled.

You can specify a value from -2.0 to 2.0.

If this parameter is omitted, "0.0" will be configured.

--ledwallkelvin (LED Wall Kelvin)

Specify the LED Wall Kelvin value for ICVFX mode when "INPUT" or "ALL" is specified for "--bake."

You can specify a value from 2000 to 32000.

If this parameter is omitted, the value stored in the metadata will be configured.

--lightblend (Light Blend)

Specify the Light Blend value for ICVFX mode when "INPUT" or "ALL" is specified for "--bake."

You can specify a value from 100 to 0.

If this parameter is omitted, the value stored in the metadata will be configured.

--grading (grading color space)

Specify the grading color space.

Argument	Meaning
SGAMUT_SLOG2	S-Gamut/S-Log2
SGAMUT3_SLOG3	S-Gamut3/S-Log3
SGAMUT3CINE_SLOG3	S-Gamut3.Cine/S-Log3
REC2020_SLOG3	Rec2020/S-Log3
ACESCC	ACEScc
ACESCCT	ACEScct
CUSTOM	Specifies according to the settings specified for "--color" and "--tone."

If this parameter is omitted, "CUSTOM" will be configured.

The arguments that can be specified are limited to the following depending on Material Color Space.

Material Color Space	SGAMUT_SLOG2	SGAMUT3_SLOG3	SGAMUT3CINE_SLOG3	REC2020_SLOG3	ACESCC	CUSTOM
RAW/X-OCN (F65/F55/F5/FS700)	Yes	Yes	Yes	Yes	Yes	Yes
RAW/X-OCN (other models)	No	Yes	Yes	Yes	Yes	Yes
S-Gamut/S-Log2	Yes	No	No	No	Yes	Yes
S-Gamut3/S-Log3	No	Yes	Yes	Yes	Yes	Yes
S-Gamut3.Cine/S-Log3	No	Yes	Yes	Yes	Yes	Yes
Rec2020/S-Log3	No	Yes	Yes	Yes	Yes	Yes
Rec709	No	No	No	No	No	No
Rec2020	No	No	No	No	No	No
ACES	No	Yes	Yes	Yes	Yes	Yes
Rec2020/S-Log3(Live)	No	Yes	Yes	Yes	Yes	Yes

--color (color gamut)

Specify the color gamut when "INPUT" or "ALL" is specified for "--bake" and "CUSTOM" is specified for "--grading."

Argument	Meaning
REC709	Rec709
SGAMUT	S-Gamut
SGAMUT3	S-Gamut3
SGAMUT3CINE	S-Gamut3.Cine
REC2020	Rec2020

Argument	Meaning
P3DCI	P3DCI
P3D60	P3D60

If this parameter is omitted, "REC709" will be configured.

The arguments that can be specified are limited to the following depending on Material Color Space.

Material Color Space	REC709	SGAMUT	SGAMUT3	SGAMUT3 CINE	REC2020	P3DCI	P3D60
RAW, X-OCN	Yes	Yes	Yes	Yes	Yes	Yes	Yes
S-Gamut/S-Log2	Yes	Yes	No	No	No	Yes	Yes
S-Gamut3/S-Log3	Yes	No	Yes	Yes	Yes	Yes	Yes
S-Gamut3.Cine/S-Log3	Yes	No	Yes	Yes	Yes	Yes	Yes
Rec2020/-SLog3	Yes	No	Yes	Yes	Yes	Yes	Yes
Rec709	No	No	No	No	No	No	No
Rec2020	No	No	No	No	No	No	No
ACES	Yes	No	Yes	Yes	Yes	Yes	Yes
Rec2020/S-Log3(Live)	Yes	No	Yes	Yes	Yes	Yes	Yes

--tone (tone curve)

Specify the tone curve when "INPUT" or "ALL" is specified for "--bake" and "CUSTOM" is specified for "--color."

Argument	Meaning
HG8009G40	HG8009G40
HG8009G33	HG8009G33
SLOG2	S-Log2
SLOG3	S-Log3
PQ	PQ
HLG	HLG
REC709	REC709
GAMMA22	Gamma2.2
GAMMA24	Gamma2.4
GAMMA26	Gamma2.6
User LUT	Uses the specified user LUT.

To specify a user LUT, specify the full path of 1D LUT (*.spild, *.lut, *.txt) or the LUT name. If this parameter is omitted, "709" will be configured.

--prelut (LUT)

Specify the LUT when "INPUT" or "ALL" is specified for "--bake."

When using a look profile, specify the profile number or look name. The specified string and selected LUT are given below.

Specified character string	LUT name
1	1.LC_709
2	2.LC_709TypeA
3	3.SLog2_709
4	4.Cine+709
S709	s709
R709	R709(800%)
WARM	Warm
COOL	Cool
VINTAGE	Vintage
TEALORG	Teal and Orange

If EMBEDDED3DLUT is specified, the LUT saved in MXF is used. If a LUT is not saved in MXF, a LUT is not applied.

When using a user LUT, specify the LUT name or the full path of the 3D LUT file (*.cube). An error will occur if the specified file does not exist.

If this parameter is omitted, a LUT will not be applied.

The arguments that can be specified are limited to the following depending on "--grading."

grading	Profile number	Look name	EMBEDDED3DLUT	User LUT
SGAMUT_SLOG2	Yes	No	No	Yes
SGAMUT3_SLOG3	No	Yes	Yes	Yes
SGAMUT3CINE_SLOG3	Yes	Yes	Yes	Yes
REC2020_SLOG3	No	No	No	Yes
ACESCC ACEScc	No	No	No	Yes
ACESCCT ACEScct	No	No	No	Yes
CUSTOM	No	No	No	No

--cdlmeta

Apply the CDL parameters stored in the metadata.

"--cdlmeta" and "--cdlfile" cannot be specified at the same time.

This parameter is enabled when "ALL" is specified for "--bake."

--cdlfile (CDL file name)

Import and apply CDL parameters from the specified file.

"--cdlmeta" and "--cdlfile" cannot be specified at the same time.

This parameter is enabled when "ALL" is specified for "--bake."

--contrast

Specify the CDL contrast value.

You can specify a value from -1.0 to 1.0.

If this parameter is omitted, "0.0" will be configured.

--brightness

Specify the CDL brightness value.

You can specify a value from -10.0 to 10.0.

If this parameter is omitted, "0.0" will be configured.

--lift (lift value), --liftr (R component of lift), --liftg (G component of lift), --liftb (B component of lift)

Specify the CDL lift value. To specify the RGB components individually, use "--liftr," "--liftg," and "--liftb."

When "--lift" and any one of "--liftr," "--liftg," or "--liftb" are specified at the same time, "--liftr," "--liftg," and "--liftb" will be enabled.

You can specify a value from -1.0 to 1.0.

If this parameter is omitted, "0.0" will be configured.

--gamma (gamma value), --gammar (R component of gamma), --gammag (G component of gamma), --gammab (B component of gamma)

Specify the CDL gamma value. To specify the RGB components individually, use "--gammar," "--gammag," and "--gammab."

When "--gamma" and any one of "--gammar," "--gammag," or "--gammab" are specified at the same time, "--gammar," "--gammag," and "--gammab" will be enabled.

You can specify a value from 0.0 to 2.0.

If this parameter is omitted, "1.0" will be configured.

--gain (gain value), --gainr (R component of gain), --gaing (G component of gain), --gainb (B component of gain)

Specify the CDL gain value. To specify the RGB components individually, use "--gainr," "--gaing," and "--gainb."

When "--gain" and any one of "--gainr," "--gaing," or "--gainb" are specified at the same time, "--gainr," "--gaing," and "--gainb" will be enabled.

You can specify a value from 0.0 to 4.0.

If this parameter is omitted, "1.0" will be configured.

--sat (saturation value)

Specify the CDL saturation value.

You can specify a value from 0.0 to 5.0.

If this parameter is omitted, "1.0" will be configured.

The CDL value, when "ALL" is specified for "--bake," is determined by each of the following parameters.

- --cdlmeta or --cdlfile
- --contrast, --brightness, --lift, --gamma, --gain, --sat

Use the parameters to modify the contrast, brightness, lift, gamma, gain, and saturation based on the CDL value of the metadata (when "--cdlmeta" is specified) or the CDL value imported from the file (when "--cdlfile" is specified).

If all of the above parameters are omitted, the CDL value of the metadata will be applied.

--postlut (LUT)

Specify the LUT when "INPUT" or "ALL" is specified for "--bake."

When using a look profile, specify the profile number or look name. The specified string and selected LUT are given below.

Specified character string	LUT name
1	1.LC_709
2	2.LC_709TypeA
3	3.SLog2_709
4	4.Cine+709
S709	s709
R709	R709(800%)
WARM	Warm
COOL	Cool
VINTAGE	Vintage
TEALORG	Teal and Orange

If EMBEDDED3DLUT is specified, the LUT saved in MXF is used. If a LUT is not saved in MXF, a LUT is not applied.

When using a user LUT, specify the LUT name or the full path of the 3D LUT file (*.cube). An error will occur if the specified file does not exist.

If this parameter is omitted, a LUT will not be applied.

The arguments that can be specified are limited to the following depending on "--grading."

grading	Profile number	Look name	EMBEDED3DLUT	User LUT
SGAMUT_SLOG2	Yes	No	No	Yes
SGAMUT3_SLOG3	No	Yes	Yes	Yes
SGAMUT3CINE_SLOG3	Yes	Yes	Yes	Yes
REC2020_SLOG3	No	No	No	Yes
ACESCC ACEScc	No	No	No	Yes
ACESCCT ACEScct	No	No	No	Yes
CUSTOM	No	No	No	No

The color processing parameters that you can specify differ depending on the “--bake” and “--grading” configurations. The parameters you can specify are indicated in the following table.

bake	ALL					INPUT					Other
grading	SGAMUT _SLOG2	SGAMUT3 _SLOG3	REC2020_ SLOG3	ACESCC ACESCCT	CUSTOM	SGAMUT _SLOG2	SGAMUT3 _SLOG3	REC2020_ _SLOG3	ACESCC ACESCCT	CUSTOM	
	SGAMUT3 CINE_ SLOG3					SGAMUT3 CINE_ SLOG3					
ei	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
kelvin	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
tint	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
lineargain	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No
color	No	No	No	No	Yes	No	No	No	No	Yes	No
tone	No	No	No	No	Yes	No	No	No	No	Yes	No
prelut (ID)	Yes	No	No	No	No	Yes	No	No	No	No	No
prelut (USER)	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	No	No
cdlmeta	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No
cdlfile	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No
contrast	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No
brightness	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No
lift	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No
gamma	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No
gain	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No
sat	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No
postlut (ID)	Yes	No	No	No	No	No	No	No	No	No	No
postlut (USER)	Yes	Yes	Yes	No	Yes	No	No	No	No	No	No
eotf	No	No	Yes	No	No	No	No	No	No	No	No
ootf	No	No	Yes	No	No	No	No	No	No	No	No
looktransform	No	No	No	Yes	No	No	No	No	No	No	No
outputtransform	No	No	No	Yes	No	No	No	No	No	No	No

--eotf (EOTF name)

Specify the EOTF to apply when "ALL" is specified for "--bake" and "REC2020_SLOG3" is specified for "--grading."

Argument	Meaning
SLOG3	S-Log3
PQ	PQ
HLG_VARIABLE	HLG Variable
SLOG3LIVE	S-Log3(Live)

If this parameter is omitted, "SLOG3" will be configured.

--ootf (OOTF name)

Specify the OOTF to apply when "ALL" is specified for "--bake" and "REC2020_SLOG3" is specified for "--grading."

Argument	Meaning
BYPASS	Bypass
SLOG3LIVE	S-Log3(Live)
PQ	PQ
HLG	HLG

If this parameter is omitted, "BYPASS" will be configured.

The arguments that can be specified are limited to the following depending on the --eotf selection.

eotf	BYPASS	SLOG3LIVE	PQ	HLG
SLOG3	Yes	Yes	Yes	No
PQ	Yes	Yes	Yes	No
HLG_VARIABLE	Yes	Yes	No	Yes
SLOG3LIVE	No	Yes	No	No

--looktransform (look transform name)

Specify the look transform to apply when "ALL" is specified for "--bake" and "ACESCC" or "ACESCCT" is specified for "--grading."

Argument	Meaning
NONE	Not applied
GAMUT	Gamut Compress
BLAF	Blue Light Artifact Fix
07	0.7 emulation
02	0.2 emulation

Argument	Meaning
01	0.1 emulation

If this parameter is omitted, a look transform is not applied.

--outputtransform (output transform name)

Specify the output transform to apply when "ALL" is specified for "--bake" and "ACESCC" or "ACESCCT" is specified for "--grading."

Argument	Meaning
SRGB	sRGB
SRGB_D60	sRGB (D60 sim.)
REC709	Rec.709
REC709_D60	Rec.709 (D60 sim.)
REC2020	Rec.2020
REC2020_P3D65	Rec.2020 (P3D65 Limited)
REC2020_REC709	Rec.2020 (Rec.709 Limited)
P3D60	P3-D60
P3DCI_D60	P3-DCI (D60 simulation)
P3DCI_D65	P3-DCI (D65 simulation)
P3D65	P3D65
P3D65_D60	P3D65 (D60 simulation)
P3D65_REC709	P3D65 (Rec.709 Limited)
P3D65_108	P3D65 ST2084 (108 nits)
P3D65_1000	P3-D65 ST2084 (1000 nits)
P3D65_2000	P3-D65 ST2084 (2000 nits)
P3D65_4000	P3-D65 ST2084 (4000 nits)
REC2020_HLG	Rec.2020 HLG (1000 nits)
REC2020_1000	Rec.2020 ST2084 (1000 nits)
REC2020_2000	Rec.2020 ST2084 (2000 nits)
REC2020_4000	Rec.2020 ST2084 (4000 nits)
DCDM	DCDM
DCDM_P3D60	DCDM (P3D60 Limited)
DCDM_P3D65	DCDM (P3D65 Limited)

If this parameter is omitted, "SRGB" will be configured.

Metadata Parameters

Display or output the metadata contents. If the following parameters are specified, video will not be output.

--metalist

Display metadata items and values with one item per line.

Each line will be displayed in the following format.

Item name: (TAB) value

--metaheader

Display metadata in CSV format with item names separated by commas.

--metavalue

Display metadata in CSV format with values separated by commas.

--metacdI (file name)

Output metadata CDL values to the specified file.

--metalens

Output lens metadata in CSV format and separated by commas to the file.

The output range is specified by parameters related to input files. The output file name is specified by parameters related to output files.

--metaspiritlevel

Output spirit level metadata in CSV format and separated by commas to the file.

The output range is specified by parameters related to input files. The output file name is specified by parameters related to output files.

"--metalist," "--metaheader," "--metavalue," "--metacdI," "--metalens," and "--metaspiritlevel" cannot be specified at the same time.

Parameter File Parameters

--config (parameter file name)

Specify the file that includes the parameters, and import the parameters from the file.

If parameters specified in the file are also specified in the command lines, the command lines will take priority.

Parameter files

Parameters are included in parameter files with one parameter per line as follows.

When defining parameters that do not require an argument, insert the "=" sign.

Lines that begin with "#" will be commented out.

```
video = DPX
width = 4096
height = 2180
#audio = BWF
subfolder =
```

Other Parameters

--device (device used)

Specify the device used. You can specify a value of 0 or 1.

Argument	Meaning
0	Select the device automatically. If a GPU available for use exists, the GPU discovered first will be used. If a GPU does not exist, the CPU will be used.
1	Use the CPU.

If this parameter is omitted, "0" will be configured.

--display (progress display mode)

Specify the progress display mode. Specify one of the following.

Argument	Meaning
0	Do not display the progress.
1	Display the progress as a percentage (%).
2	Display the progress in a progress bar similar to the following. "-" indicates 1% and " " indicates 10%. Example: ----- ----- ----- --

If this parameter is omitted, "1" will be configured.

--version

Display the version. The file is not output.

--help

Display a list of parameters that can be specified. The file is not output.