

Cinelerra Feature Comparison

FEATURE COMPARISON <i>Last Update 02/14/2022</i>	CV community	HV Original	GG Infinity Cinelerra-gg.org	Chg 1 yr
New release regularly provided	No (March 2017 last)	No (once a year)	Almost every month	*
Manual regularly updated	No (2016 copyright)	No (2009 copyright)	Yes (2022 as of 2022)	*
Help from inside program using Alt-h	No	No	Yes	*
Audio Plugins	24	35	31	*
Video Plugins	75	77	90	*
Theme Plugins	3	2	11	
Other Plugins	0	1	0	
Total Native Plugins	102	115	132	*
LADSPA Plugins (non-native)	0	0	109	
FFMPEG Plugins (non-native)	0	0	67 Audio + 194 Video	*
LV2 Plugins	0	0	User defined/hundreds	
Total Plugins	102	115	502 + user LV2	*
AVI Media	Limited – 2 out of 10	Limited – 4 out of 10	Yes – 10 play & seek	
FLAC Media	Yes 10/10 (no seek)	Yes 8/10 (no seeks)	Yes – 10 play & seek	
Video FLASH Media (.flv)	No – unrecognized	Yes 6/10 (no seeks)	Yes – 10 play & seek	
Real Media Video (.rm)	No – unrecognized	Limited – 4 out of 10	Yes – 8 out of 10	
GIF Media	No – unrecognized	No – 0 out 10 /all bad	Yes – 10 play & seek	
HEVC Media (MPEG-4/.mp4)	No – crashes	Limited – 4 out of 10	Yes – 10 play & seek	
Raw DV Video	Yes – 2 out of 3	No 0 out of 3 /all bad	Yes 2/3 : 3/3 if ffmpeg	
Quicktime or ffmpeg (.mov)	Yes – 7 out of 10	Yes – 7 out of 10	Yes – 10 play & seek	
1080P Video - Sony Camera (.mts)	No – unrecognized	No – 0 out of 3	Yes – 3/3 play & seek	
WMV Video	No – unrecognized	Yes -8/10 (no seeks)	Yes – 10 play & seek	
MXF Media	No – unrecognized	No – only 1/7 played	Yes – 7/7 play & seek	
OGG Media	Some work	No	Yes – only if ffmpeg	
WAV Audio	Yes 5/5 (no seek)	Yes 5/5 (no seek)	Yes – 5/5 play & seek	
MPEG Media	Yes – 4 out of 4	Yes – 4 out of 4	Yes – 4 out of 4	
MP3 Media	Yes – 10 out of 10	Yes – 10 out of 10	Yes – 10/10 play/seek	
Multi-prgm bcast Transport Stream (.ts)	No – unrecognized	Yes – 1 st prgm only	Yes – 10/10 play/seek	
PNG	Yes – 9 out of 10	Yes – 9 out of 10	Yes – 10 out of 10	
JPEG / jpeg-list	Yes – 10 out of 10	Yes – 10 out of 10	Yes – 10 out of 10	
WebM	No – unrecognized	Limited – 5 out of 10	Yes – 10/10 no seeks	

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AV1 Video	No	No	Yes	
WebP Video	No	No	Yes	
Lossless format	No	No	Yes	
Raw Camera CR2 program / level	No	Yes-2016 Rev. 1.477	Yes 2018 Rev. 1.478	
Simple ISO DVD	Yes	No – SEGV	Yes	
Multi-Titled DVD	No	No – SEGV	Yes	
Interleaved/Angle DVD	No	No	Yes	
Subtitles DVD	No	No	Yes	
Closed Caption to Subtitle DVD	No	No	Yes	
Blu-ray DVD	No	No – SEGV	Yes	
Generate ISO DVD	No	No	Yes	
Generate Blu-ray DVD	No	No	Yes	
Preset Formats	13	13	13	
Internal File Formats	30	34	30	
Video Scaling options	5	2	5	
Audio Quicktime codecs	7	7	0	
Video Quicktime codecs	18	18	0	
Internal colormodels	31	31	34	
External colormodels	6	5	6	
ShapeWipe Transitions	5	5	63	*
FFMPEG enabled decoders	192	380	401	
FFMPEG enabled encoders	79	136	146	
FFMPEG enabled demuxers	99	261	278	
FFMPEG enabled muxers	65	148	155	
FFMPEG Filter support	No	No	Yes	
FFMPEG Bitstream Filter support	No	No	Yes	
FFMPEG Version	0.5.1 (approx)	3.0.2	4.4	*
FFMPEG “api” support	Obsolete	Obsolete	Current	
libmpeg C++ native support	No	No	Yes	
libzmpeg IFO playlist support	No	No	Yes	
libzmpeg DVB ATSC support	No	No	Yes	

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libzmpeg DVD subtitle support	No	No	Yes	
libzmpeg Closed Captioning support	No	No	Yes	
libzmpeg DVD NAV support	No	No	Yes	
libzmpeg improved MMX support	No	No	Yes	
Run as "root" supported	No	Yes	Yes	
Nested Assets/EDLs Support	No	Yes	Yes	
Subtitle Track Support	No	No	Yes	
Subtitle Script Support	No	No	Yes	
Asset Interlace support	Yes	Plugin-only	Yes	
Manual GoTo support	Yes	No	Yes	
Export EDL support	Yes	No	Yes	
Align/Shuffle/Reverse Edit support	No	Yes	Yes	
Porter-Duff Operator support	No	No	Yes	
Multi-view window support	No	Yes	Yes	
Multi-pane support	No	Yes	Yes	
DVD burner support	No	No	Yes	
Blu-ray burner support	No	No	Yes	
Capture and Recording support	Hangs	No – SEGV	Yes	
Record on the fly TOC (Table of Contents)	No	No	Yes	
Remote control support	No	No	Yes	
Android Remote Control support	No	No	Yes	
International Language support	Yes	No	Yes	
EDIT_KEYFRAME built	No	Disabled	Yes	
Hi Color Depth support	10 bit	10 bit	16 bit	
Decode/Encode 10-12 bit h264 FFmpeg	No	No	Yes	*
Decode 10-12 bit h265 w/FFmpeg	No	No	Yes	*
Encode 10-12 bit h265 w/FFmpeg	No	No	Yes	*
3D support	No	No	No	
Major Title Plugin Improvements:	No	No	Yes	
Drag, blink, caps, underline, nudge, etc	No	No	Yes	
Font stroking, font quick search	No	No	Yes	
No character limit except resources	No	No	Yes	
Titler Font kerning	No	Yes	Yes	
Titler Bbox	Yes	No	Yes	

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Titler Color	Yes	Broken	Yes
Batch Rendering support	Yes	Yes	Yes
DVB support	Remote Host	Remote Host	Direct + auto config
DVB Program Channel Scan support	No	No	Yes
SEGV / Trap dump support as ROOT	No	No	Yes
5.1->2 rendering downmix audio preset	Yes	Yes	Yes
Playback 5.1->2 driver downmix	No	No	Yes
Playback speed automation support	No	Yes	Yes
Reel Number / Timecode support	Yes	No	No
Resizable Fonts / Icons support	No	No	Yes
Label Anchor support	Yes	No	Yes
Label Folder support	Yes	No	Yes
Label Info Edit support	Yes	No	Yes
Specify edit time in seconds	No	Yes	Yes
Preview Slider range support	Yes	No	Yes
Asset Program selection support	No	No	Yes
Info Asset Details for ffmpeg/mpeg	No	No	Yes
Updatable Icon image support	No	No	Yes
Toolset Visibility support	No	No	Yes
Realtime priority audio	No	Yes	Yes
Rectify audio wave option	No	No	Yes
Multi-Screen / Playback config support	No	No	Yes
Audio HW gain support	No	No	Yes
Menu Bar Shell Commands	No	No	Yes
Proxy Render	No	Yes	Yes
with Scaler	No	No	Yes
Commercial capture / detection	No	No	Yes
Vicons for media	No	No	Yes
Mouse over preview	No	No	Yes
Selectable size for vicons	No	No	Yes
Preview window zoom with wheel	No	No	Yes
Native Quicktime	Yes	Yes	No
Quicktime MTS2MP4 support	No	Yes	No
Quicktime QDM2 support	No	Yes	No
Filescene / festival animation	No	Yes	Yes

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Filefork background decoding	No	Yes	No
Valgrind compatibility	Low	Low	High
CFLAGS has -Wall	No	No	Yes
Parallel Third party build	No	No	Yes
Unbundled Build Scripts available	No	No	Yes
FreeBSD buildable script available	No	No	Yes
Autogen Automake	Yes	No	Yes
Colormodel XFER code generator	No	No	Yes
Zoom Bar Enhancements	Yes	No	Yes
Apply masks before plugins	Yes	No	Yes
Lock labels from moving	Yes	No	Yes
Auto adhesion of fragments	No	Yes	Yes
Free movement of fragments	Yes	No	Yes
Histograms	Piece-wise linear	Unknown	Linear/Bezier/Poly
UI Themes	Blonde	Blonde	Neophyte/Blonde +8
XML tag closer present	Yes	No	Yes
Auto interpolation methods	Tan,Smth,Lin,DisJnt	Only Linear,Bezier	Tan,Smth,Lin,DisJnt
Last Play position memory	No	No	Yes
Free Drag of plugins	No	No	Yes
Fade/Speed autom. ganged on all trks	No	No	Yes
Color coded keyframe curves/color balls	No	No	Yes
ColorPicker for Keyframes and Titler	No	No	Yes
GreyCStoration plugin	Yes	No	No
Blue Banana End Mask & Alpha work	No	No	Yes
Equalizer plugin – Audio gui-based	No	No	Yes
Smooth Lines for near-perfect curves	No	No	Yes
Motion51 improved Motion stabilization	No	No	Yes
OpenCV plugins	No	Yes	Yes
Unicode characters allowed in textbox	No	No	Yes
Focus policy preference	No	No	Yes
Method to avoid ambiguous translation	No	No	Yes
Slider Zoom in Compositor for any size	No	No	Yes
Faststart option for mp4 and qt	No	No	Yes
Copy/paste list of files	No	No	Yes
Info button on Plugins for description	No	No	Yes

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Alternative to keypad using keyboard	No	No	Yes	
Blade Cut / Hard Edges	No	No	Yes	
Snap/Cut editing and Snap Dragging	No	No	Yes	
Direct X11 speedup	No	Yes	Yes	
Presets and Factory Presets for plugins	No	Yes	Yes	
Sphere camera capability	No	Yes	Yes	
Search function in Load and Resources	No	No	Yes	
Snapshot and Grabshot feature	No	No	Yes	
Multiple Cameras / Mixer Viewer	No	No	Yes	
Synch camera via Audio Waveform	No	No	Yes	
Two-pass encoding options available	No	No	Yes	
Audio Waveform Icons / colors for size	No	No	Yes	
Repeat Play in Viewer/Compositor	No	No	Yes	
Audio Preview available in Resources	No	No	Yes	
Perpetual Session	No	No	Yes	
Simple Motion Graphics with Sketcher	No	No	Yes	
Multiple window Layouts save/reload	No	No	Yes	
User Bins / Folders	No	No	Yes	
Export Project	No	No	Yes	
Dynamic Keyframes	No	No	Yes	
Expanders for plugins	No	No	Yes	
Trim Feature split in compositor	No	No	Yes	
Inter-View / Identify Source Targets	No	No	Yes	
Cut and Paste move/delete/insert	No	No	Yes	
Group and Ungroup	No	No	Yes	
Add transitions to multiple clips	No	No	Yes	
Labels/Effects/Keyframes move w/clips	No	No	Yes	
Color Titles / Color Clips / auto or self	No	No	Yes	
Number of Documented Shortcuts	Not calculated	Not calculated	Over 400	*
Shuttle Pro and Xpress support	No	No	Yes	
GPU hardware acceleration (limited)	No	No	Yes	
Enhanced Trimming (with Slip & Slide)	No	No	Yes	
Dump Undo stack (last 32)	No	No	Yes	
Enhanced FFmpeg error reporting	No	No	Yes	
CUDA capability when user installs	No	No	Yes	

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HiDPI scaling for any monitor like 4K	No	No	Yes	
Enhanced Masking operations	No	No	Yes	
Hardware acceleration for Nvidia graphic	No	No	Yes	
Edit EDL capability	No	No	Yes	*
File by Reference editing	No	No	Yes	*
Pulse Audio for audio driver choice	No	No	Yes	*
Change vertical size of any track	No	No	Yes	*
Gang track for DAW-like editing	No	No	Yes	*
Align Timecodes feature	No	No	Yes	*
Bump float Autos for speed changes	No	No	Yes	*
Autosave backups option	No	No	Yes	*
Enhanced Videoscope w/ Vector Wheel	No	No	Yes	*
Android tablet runs Cin using Termux	No	No	Yes	*
Cin builds for aarch64	No	No	Yes	*