

Cinelerra Feature Comparison

| FEATURE COMPARISON <i>Last Update 01/11/2019</i> | CV Stable | HV Original | GG Infinity Cinelerra-gg.org | Chg 1 yr |
|--|-----------------------|--------------------------------|---|---------------------|
| Audio Plugins | 24 | 31 | 26 | * |
| Video Plugins | 75 | 75 | 84 | * |
| Theme Plugins | 3 | 2 | 10 | * |
| Other Plugins | 0 | 1 | 0 | |
| Total Native Plugins | 102 | 109 | 120 | * |
| LADSPA Plugins (non-native) | 0 | 0 | 109 | * |
| FFMPEG Plugins (non-native) | 0 | 0 | 57 Audio + 151 Video | * |
| LV2 Plugins | 0 | 0 | User defined/hundreds | * |
| Total Plugins | 102 | 109 | 437 + 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 bcst Transport Stream (.ts) | No – unrecognized | Yes – 1 st pgm 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 | |
| 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 | |

Cinelerra Feature Comparison

| | | | | |
|-----------------------------------|----------------|-----------|---------|---|
| 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 | 6 | 6 | |
| | | | | |
| 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 | 4.1 | * |
| FFMPEG “api” support | Obsolete | Obsolete | Current | |
| | | | | |
| libmpeg C++ native support | No | No | Yes | |
| libmpeg IFO playlist support | No | No | Yes | |
| libmpeg DVB ATSC support | No | No | Yes | |
| libmpeg DVD subtitle support | No | No | Yes | |
| libmpeg Closed Captioning support | No | No | Yes | |
| libmpeg DVD NAV support | No | No | Yes | |
| libmpeg improved MMX support | No | No | Yes | |
| | | | | |
| Run as “root” supported | No | Yes | Yes | |
| Nested Assets/EDLs Support | No | Yes | Yes | * |

Cinelerra Feature Comparison

| | | | |
|---|-------------|-------------|----------------------|
| 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 |
| 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 |
| 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 |

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| | | | | |
|--|-----|-----|------|---|
| 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 | |
| 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 Scalar | 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 | |
| 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 | |

Cinelerra Feature Comparison

| | | | | |
|---|---------------------|--------------------|---------------------|---|
| 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 | * |
| 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 | * |
| Two-pass encoding options available | No | No | Yes | * |
| Audio Waveform Icons / colors for size | No | No | Yes | * |

Cinelerra Feature Comparison

| | | | | |
|---|----------------|----------------|----------|---|
| 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 300 | * |