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OF DAVINCI RESOLVE

DaVinci Resolve is the world's most advanced color correction system. You get natural 32 bit float YRGB processing, power windows, tracking, primaries and secondary corrections, Log, HSL and curve grading, RGB mixing, 3D object tracker, 3D stereoscopic eye matching, XML and AAF round tripping for NLE systems, optical quality resizing, noise reduction, audio sync and much more!

COLOR

Real Time Performance

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Real time resolution independent in-context preview, grading and playback.	Yes	Yes	Yes
Real time multi-track timeline grading and playback.	Yes	Yes	Yes
Real time optical quality sub pixel image resizing.	Yes	Yes	Yes
Real time On-The-Fly extremely high quality proxy generation without disk cache.	Yes	Yes	Yes
Real time noise reduction with window and grade qualification using CUDA and OpenCL GPUs.	Yes	Yes	No
Real time concurrent left and right eye Stereoscopic 3D grading.	Yes	Yes	No
Real time and interactive Stereoscopic 3D convergence adjustments.	Yes	Yes	No
New Real time and automatic render cache of source clips, optical flow effects, NR, clip grades and timeline.	Yes	Yes	Yes
Faster than real time rendering for many formats.	Yes	Yes	Yes

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Unlimited Creative Grading

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Unlimited video tracks.	Yes	Yes	Yes
Unlimited audio tracks.	Yes	Yes	Yes
Unlimited nodes of color correction.	Yes	Yes	Yes
Unlimited primaries and secondaries.	Yes	Yes	Yes
Unlimited noise reduction node position using CUDA and OpenGL GPUs.	Yes	Yes	No
Unlimited image gaussian blur.	Yes	Yes	Yes
Unlimited OpenFX Plug-ins per clip.	Yes	Yes	Yes
Unlimited windows - Circle, linear, PowerCurve and gradient.	Yes	Yes	Yes
Unlimited same shape Power Windows per node.	Yes	Yes	Yes
Unlimited Object Tracking for precise window and grade control.	Yes	Yes	Yes
Unlimited image stabilisation nodes.	Yes	Yes	Yes
Unlimited matte and key defocus.	Yes	Yes	Yes

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Automatic Processes for Speed and Accuracy

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Automatic grade to color balance clips.	Yes	Yes	Yes
Automatic selection of Camera Raw control based on source clip.	Yes	Yes	Yes
Automatic 3D LUT generation of grades.	Yes	Yes	Yes
Automatic 3D object multi point tracker.	Yes	Yes	Yes
Automatic clip stabilizer with camera pan smoothing.	Yes	Yes	Yes
Automatic Stereoscopic 3D image alignment.	Yes	Yes	No
Automatic Stereoscopic 3D color matching.	Yes	Yes	No
Automatic conforming of XML, AAF and EDL with source clips.	Yes	Yes	Yes
Automatic re-linking of color corrections between all sessions in one project.	Yes	Yes	Yes
Automatic relinking of proxy with high resolution clips.	Yes	Yes	Yes
Automatic timecode sync of dual-system audio.	Yes	Yes	Yes
Automatic timecode update using audio channel LTC.	Yes	Yes	Yes
Automatic scene cut detection.	Yes	Yes	Yes

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Colorist Inspired User Interface	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
User interface is fast to use, clean, pictorial, logical and easy to navigate.	Yes	Yes	Yes
Graphical representations of every project, timeline, track, clip, grade, node and still are updated as you grade.	Yes	Yes	Yes
Grading controls are on one screen so its quick and easy to change a grade.	Yes	Yes	Yes
Real time viewer display including cursors and extents markers.	Yes	Yes	Yes
Lightbox view of all thumbnails, or those selected by flags or other sort and filters.	Yes	Yes	Yes
Enhanced Lightbox view includes color control palettes and keyframe timeline.	Yes	Yes	Yes
Lightbox view available on SDI output.	Yes	Yes	Yes
Split screen viewer and SDI display for quick comparison of grades.	Yes	Yes	Yes
Display multiple grade versions, clip before and after current, selected clips or clips in a group.	Yes	Yes	Yes
Playback speed and real time playback indication.	Yes	Yes	Yes
Node graph pictorial view of signal processing workflow.	Yes	Yes	Yes
Name nodes for quick identification.	Yes	Yes	Yes
New — Gallery page now selectable directly from the Color page.	Yes	Yes	Yes

	Stills, memories and PowerGrades shown visually and selectable with a mouse click.	Yes	Yes	Yes
	Stereoscopic side-by-side, checkerboard and anaglyth difference display.	Yes	Yes	No
New	Option to hide the mini timeline.	Yes	Yes	Yes
	Clip keyframes and transitions visually represented and independently adjustable.	Yes	Yes	Yes
	User selectable viewer, stills and node graph window sizing.	Yes	Yes	Yes
	User selectable multiple timecode, frame number and keycode displays.	Yes	Yes	Yes
	System status display on color screen for instant review.	Yes	Yes	Yes
	Hover over node to reveal list of changed items.	Yes	Yes	Yes
	Hover actions for tool tips.	Yes	Yes	Yes
	Hover node over link to auto connect.	Yes	Yes	Yes
New	Timecode type display selection now uses a context menu.	Yes	Yes	Yes
New	Edit timeline markers now shown on Color page.	Yes	Yes	Yes
New	Color page viewer toolbar for selection of Reference wipe, Split screen and Highlight.	Yes	Yes	Yes
New	Node icons to display tools used on each node.	Yes	Yes	Yes
New	Option click Enhance Viewer mode to display full screen viewer.	Yes	Yes	Yes
	One click selection of timeline to play and grade.	Yes	Yes	Yes
	Clip details window for instant review of source clip format and image type.	Yes	Yes	Yes
	Sort and filter timeline thumbnails by flags, markers, shots not rendered, not graded and shots modified since xx time.	Yes	Yes	Yes
	Filters also for grouped, different frame rate, NR, Input PTZR and matte clips and with common Media Pool source.	Yes	Yes	Yes
	Media and Edit screen viewers include zoom to fit and size selector.	Yes	Yes	Yes
	User selectable switching clip selection for first, last or current node position on node editor.	Yes	Yes	Yes
	User selectable automatic viewer switching to SDI video output.	Yes	Yes	Yes
	Enhanced viewer mode for accurate window and qualifier selections.	Yes	Yes	Yes
	Cinema mode offering clean full screen review of graded material.	Yes	Yes	Yes
	Full screen viewer for accurate freeform shape drawing.	Yes	Yes	Yes
	Power Windows Overlays of selected window is highlighted for easy identification.	Yes	Yes	Yes
	Highlight difference to quickly see grade impact on node.	Yes	Yes	Yes
	Menu bar for quick selection of user options.	Yes	Yes	Yes
	Dedicated page for creating rendered deliverables including viewer and timeline with thumbnails.	Yes	Yes	Yes

Color Screen Multitrack Timeline

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
	Multitrack timeline displayed including transition effects.	Yes	Yes	Yes
	Support for cuts, dissolves, wipes, speed changes and composite mix of tracks.	Yes	Yes	Yes
New	Enhanced and updated Softlight composite mode.	Yes	Yes	Yes
	Grades for all timelines automaticly link to the Master Timeline.	Yes	Yes	Yes
	Switching timelines updates clips and grades instantly.	Yes	Yes	Yes
	Real time timeline synchronized frame indication during playback.	Yes	Yes	Yes
	Audio playback in color screen.	Yes	Yes	Yes
	Customisable loop mode for clips or marked timeline.	Yes	Yes	Yes
	User configurable cue offsets.	Yes	Yes	Yes

Color Screen Clip Thumbnails

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
	Timeline thumbnails for every clip.	Yes	Yes	Yes
	Thumbnails update with grade and playback.	Yes	Yes	Yes
	Select the thumbnail to select the clip regardless of track.	Yes	Yes	Yes
	Thumbnails displays clip timecode, number and track.	Yes	Yes	Yes
	Thumbnails also display object tracking, cache and stereo status.	Yes	Yes	Yes
	Switch between record and source mode with instant thumbnail update.	Yes	Yes	Yes
	Scrub thumbnails and monitor clip timecode.	Yes	Yes	Yes
	Double click version name to display clip format/codec.	Yes	Yes	Yes

Color Chart Auto Color Balance

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
New	Auto color balance from a range of industry standard charts.	Yes	Yes	Yes
New	Utilizes Source and Target gamma, Target Colorspace, color temp and white level.	Yes	Yes	Yes

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
New	Option to indicate color match delta %.	Yes	Yes	Yes
New	Additional Highlight and shadow compression, midtone detail and color boost controls.	Yes	Yes	Yes

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High Dynamic Range Grading

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Use HDR source images for real time display, blending and grade.	Yes	Yes	Yes
Supports 16bit floating point ACES Colorspace input and output.	Yes	Yes	Yes
32 bit floating point image processing maintains all the quality and dynamic range.	Yes	Yes	Yes
Normal exposure image can be blended and mixed with the short exposure image.	Yes	Yes	Yes
Dynamic control of blend between HDRs two source images.	Yes	Yes	Yes
Keyframe control of dynamics for smooth transition.	Yes	Yes	Yes
Windows and qualification can also used to control blend.	Yes	Yes	Yes

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Primary Grading

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Unlimited primary and printer light grading.	Yes	Yes	Yes
Lift, gamma and gain adjustments with master gain and offset.	Yes	Yes	Yes
Independent saturation and hue controls.	Yes	Yes	Yes
Unique luminance mix control.	Yes	Yes	Yes
Contrast control with pivot to define center of contrast range.	Yes	Yes	Yes
AutoGrade with auto white and black balance.	Yes	Yes	Yes
Printer light incremental offset controls for log grading steps.	Yes	Yes	Yes
Printer light grading using computer keyboard numerical keypad.	Yes	Yes	Yes
Calibration control of printer lights to match film lab aim densities.	Yes	Yes	Yes

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Log Grading

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Film style Log grading with Lowlights, Midtones and Highlight trackballs, each with master gain.	Yes	Yes	Yes
Log grading acts concurrently with primary grades in every corrector node.	Yes	Yes	Yes

Log grading acts concurrently with primary grades in every corrector node. | Yes | Yes | Yes

Log grading acts concurrently with primary grades in every corrector node.	Yes	Yes	Yes
Low range and high range control to define transition between low, mid and highlights.	Yes	Yes	Yes
Offset trackball with master gain.	Yes	Yes	Yes
Contrast control with pivot to define center of contrast range.	Yes	Yes	Yes
Independent saturation and hue controls.	Yes	Yes	Yes
Individual DaVinci Resolve control panel controls for all parameters.	Yes	Yes	Yes

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3Way Color Wheels Grading	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Primary grading with Lift, gamma and gain trackballs, each with master gain.	Yes	Yes	Yes
Offset trackball with master gain.	Yes	Yes	Yes
Independent saturation and hue controls.	Yes	Yes	Yes
Unique luminance mix control.	Yes	Yes	Yes
Contrast control with pivot to define center of contrast range.	Yes	Yes	Yes
AutoGrade with auto white and black balance.	Yes	Yes	Yes

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RGB Mixer Grading	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
RGB mixer grading with monochrome effects.	Yes	Yes	Yes
Individual red, green and blue gain for each color channel.	Yes	Yes	Yes
Separate red, green and blue control for monochrome mix.	Yes	Yes	Yes
User selectable preserve luminance option to normalize lum output.	Yes	Yes	Yes
User selectable swap input selection for extreme effects.	Yes	Yes	Yes

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Camera Raw Grading	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Dedicated control palette for Camera Raw sources.	Yes	Yes	Yes
Automatic selection of Camera Raw control based on source clip.	Yes	Yes	Yes
Real time decoding and playback of camera Raw clips.	Yes	Yes	Yes

Real time decoding and playback of camera Raw clips.

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
New	Camera Raw palette includes Highlight and Shadows compression, Midtone Detail, Color Boost and Saturation.	Yes	Yes	Yes
New	Camera Raw palette also includes Contrast, Lift and Gain controls.	Yes	Yes	Yes
	User selectable decode controls per project and per clip.	Yes	Yes	Yes
	Half and quarter resolution debayer options for low GPU powered systems.	Yes	Yes	Yes
	Separate debayer and image sizing options play vs. stop for low GPU powered systems.	Yes	Yes	Yes
	Use camera metadata or individual clip decoder controls.	Yes	Yes	Yes
	Supports CinemaDNG clips with Highlight Recovery for over exposed clips.	Yes	Yes	Yes
New	Individual DaVinci Resolve control panel controls for all parameters.	Yes	No	No
	Gang, adjust and apply one or multiple decode parameters.	Yes	Yes	Yes
	Copy one or multiple decode parameters to other clips.	Yes	Yes	Yes
New	Includes BMP4K log curves.	Yes	Yes	Yes
	Includes BMP4K and BMCC BMD Film to Rec709 LUT.	Yes	Yes	Yes

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Custom Curves Grading

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Custom Curvesª with user definable gamma curve.	Yes	Yes	Yes
Ganged and individual channel control.	Yes	Yes	Yes
Ganged and individual gain control.	Yes	Yes	Yes
Ganged and individual influence control.	Yes	Yes	Yes
YSFX luminance and saturation effects.	Yes	Yes	Yes

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Curves Clip Grading

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
High and low clip control on a per node basis.	Yes	Yes	Yes
Ganged and individual channel control.	Yes	Yes	Yes
Independent and ganged high clip softness.	Yes	Yes	Yes
Independent and ganged low clip softness.	Yes	Yes	Yes

Curves Grading

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
	Unlimited Curves grading with HSL curves and qualification control.	Yes	Yes	Yes
	Select from; Hue vs. Hue; Hue vs. Sat; Hue vs. Lum and Lum vs. Sat curves.	Yes	Yes	Yes
New	Includes saturation vs. saturation curve.	Yes	Yes	Yes
	Parallel mixing of separate curves grades permits concurrent use.	Yes	Yes	Yes
	Select manually or use the six vector selection with a mouse click.	Yes	Yes	Yes
	Hue and lum selection also available with screen color picker.	Yes	Yes	Yes
	Bezier control of all curves grades.	Yes	Yes	Yes
	Individual DaVinci Resolve control panel controls for all parameters.	Yes	Yes	No
	Curves grade controls from user interface.	Yes	Yes	Yes
	Addition or deletion of control points added by panel and mouse.	Yes	Yes	Yes

Secondary Grading

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
	Unlimited secondaries grading.	Yes	Yes	Yes
	User definable hue, saturation, luminance (HSL), RGB and LUM only qualifiers.	Yes	Yes	Yes
	Qualifier softness, slope, width and symmetry control form every secondary.	Yes	Yes	Yes
	Sat high and low qualifier with low and high softness.	Yes	Yes	Yes
	Lum high and low qualifier with low and high softness.	Yes	Yes	Yes
	Grey or black and white highlight control to quickly see qualification.	Yes	Yes	Yes
	Grading screen or user interface color picker with automatic range control.	Yes	Yes	Yes
	Add or subtract selected points with variable softness.	Yes	Yes	Yes
New	Keyer Finesse controls including Denoise, Black and White clip, Blur Radius and In/out ratio.	Yes	Yes	Yes

Noise Reduction and Motion Blur Effects

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
	Motion Effects palette with noise reduction and motion blur.	Yes	Yes	No

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Real time playback and grading with spatial noise reduction using CUDA GPUs.	Yes	Yes	No
High quality temporal noise reduction using CUDA GPUs.	Yes	Yes	No
Separate luminance and chrominance noise reduction controls	Yes	Yes	No
Noise reduction can be used in any node in any position on the node graph.	Yes	Yes	No
Noise reduction area can be qualified by HSL, windows and mattes.	Yes	Yes	No
User definable noise reduction threshold.	Yes	Yes	No
User definable noise reduction influence radius.	Yes	Yes	No
User definable noise reduction blend of original and noise reduced image.	Yes	Yes	No
Live display of noise reduction influence while adjusting.	Yes	Yes	No
Noise reduction controls on BMD panel and color user interface screen.	Yes	Yes	No
Motion Blur effects simulating aperture and shutter angle lens control.	Yes	Yes	No
Motion Blur controls include blend and number of analyzed frames.	Yes	Yes	No

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Power Windows

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Unlimited circle, linear, power curve and gradient Power Windows per node.	Yes	Yes	Yes
Multiple same shape Power Windows per node.	Yes	Yes	Yes
Power Window presets to combine multiple windows.	Yes	Yes	Yes
Dedicated control palette for Power Windows displays selected window and position.	Yes	Yes	Yes
Windows provide inside or outside grading control.	Yes	Yes	Yes
Circular windows with variable softness and aspect.	Yes	Yes	Yes
Linear windows with independent edge softness.	Yes	Yes	Yes
New Windows now include Opacity for greater control of window isolations.	Yes	Yes	Yes
PowerCurve free form windows with bezier curves.	Yes	Yes	Yes
PowerCurve windows include independent entry and exit per point bezier adjustment.	Yes	Yes	Yes
PowerCurve windows include independent inside and outside per point softness.	Yes	Yes	Yes
Gradient Power Window with single click softness control.	Yes	Yes	Yes
Command key selection to dynamically adjust overall window size.	Yes	Yes	Yes
All windows have position and rotation controls.	Yes	Yes	Yes

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Use matte and mask to combine multiple windows in one node.	Yes	Yes	Yes
Power Window size and position tracks image sizing changes.	Yes	Yes	Yes

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Automatic Object Tracking

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Dedicated control palette for Tracker displays keyframe path.	Yes	Yes	Yes
Tracking metadata can be copied and pasted to other windows.	Yes	Yes	Yes
Unlimited object tracking per clip.	Yes	Yes	Yes
One click tracking for precise window and grade control.	Yes	Yes	Yes
Track forward or reverse from any point in the clip.	Yes	Yes	Yes
New Single frame track forward and backward mode for complicated tracks.	Yes	Yes	Yes
Re-track any portion of the clip.	Yes	Yes	Yes
Show track and interactively edit track postion.	Yes	Yes	Yes
Clip and keyframe manual track editing.	Yes	Yes	Yes
Manual insertion and removal of track points.	Yes	Yes	Yes
Interpolation between track marks to close two tracks.	Yes	Yes	Yes
Individual pan, tilt, zoom and rotation selections for track.	Yes	Yes	Yes

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Automatic Image Stabilization

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
One click stabilization analysis of images.	Yes	Yes	Yes
Stabilization metadata can be copied and pasted to other clips.	Yes	Yes	Yes
Stabilize shots even with camera pans.	Yes	Yes	Yes
Analyze clips either forward or reverse.	Yes	Yes	Yes
Real time playback after image analysis.	Yes	Yes	Yes
User variable frame smoothing for camera pans.	Yes	Yes	Yes
User variable frame sticking strength for realistic stabilisation.	Yes	Yes	Yes
Selectable automatic image zoom to full screen.	Yes	Yes	Yes

Blur, Sharpen and Mist	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Real time full Gaussian blur on unlimited nodes.	Yes	Yes	Yes
Extended blur range permits total bluring of entire image.	Yes	Yes	Yes
Image sharpening.	Yes	Yes	Yes
Mist and Coring for professional mist effect.	Yes	Yes	Yes
Ganged or individual control of radius.	Yes	Yes	Yes
Ganged or individual control of H/V ratio.	Yes	Yes	Yes
Ganged or individual control of scaling for sharpening and mist.	Yes	Yes	Yes

Internal and External Key/Matte	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Input, output and external key gain and offset control.	Yes	Yes	Yes
Post mix gain and offset control for blending images.	Yes	Yes	Yes
Use key mixers to combine multiple qualifiers in one grading node.	Yes	Yes	Yes
User re-linkable image and key path for each node.	Yes	Yes	Yes
Selectable invert, matte and mask modes.	Yes	Yes	Yes
Support for external RGBA and single channel mattes.	Yes	Yes	Yes
New — Support for selection of any RGB layer in a Matte node when using Multi-layer OpenEXR source.	Yes	Yes	Yes
Support for looping external matte clips.	Yes	Yes	Yes
External key radius blur and offset.	Yes	Yes	Yes
Composite of chroma key live foreground over reference image.	Yes	Yes	Yes

Optical Quality Image Formatting and Resizing	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Dedicated control palette for Image Sizing.	Yes	Yes	Yes
Sizing for Input, Edit, Node, Output and reference wipe image processing.	Yes	Yes	Yes
New — Node sizing key lock to permit object to be moved into key window.	Yes	Yes	Yes

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
New Node sizing key lock to permit object to be moved into key window.	Yes	Yes	Yes
Real time and live resizing including pan, tilt, zoom and rotate all at optical quality.	Yes	Yes	Yes
Real time and live width and height trimming.	Yes	Yes	Yes
Real time pixel aspect ratio resizing.	Yes	Yes	Yes
User selectable filter type for resizing.	Yes	Yes	Yes
Interlaced video support.	Yes	Yes	Yes
Automatic input image reformatting to timeline resolution and image size.	Yes	Yes	Yes
User programable input and output image transform presets.	Yes	Yes	Yes

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Data Burn-In

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Dedicated control palette for Metadata Burn-in.	Yes	Yes	Yes
Burn-ins per Clip and for whole Track.	Yes	Yes	Yes
User configurable metadata selection.	Yes	Yes	Yes
Add comments and Logos.	Yes	Yes	Yes
Set text, or timecodes, file names, clip names etc.	Yes	Yes	Yes
User settings for font, size and location of burn-in.	Yes	Yes	Yes
User configurable fade up and fade down control.	Yes	Yes	Yes
Global or individual burn-in selections.	Yes	Yes	Yes
Reveal or hide burn-in names.	Yes	Yes	Yes
Save and recall presets on Color page and in Deliver page.	Yes	Yes	Yes

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Color Corrector Node Channel Isolation

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
New Node processing includes RGB, HSL, YUV and Lab.	Yes	Yes	Yes
Nodes have individual channel isolation.	Yes	Yes	Yes
Concurrently grade single or multiple channels.	Yes	Yes	Yes

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OpenFX Plug-ins

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
	Support for third party purchased OpenFX plug-ins.	Yes	Yes	Yes
	Unlimited OpenFX Plug-ins per clip.	Yes	Yes	Yes
	OpenFX plug-in palette with controls for each plug-in.	Yes	Yes	Yes
	On viewer screen cursors and control as defined by plug-in vendors.	Yes	Yes	Yes

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Stereoscopic 3D Grading

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
	Dedicated control palette for Stereoscopic 3D grading.	Yes	Yes	No
	Real time grading of Stereoscopic 3D timelines with concurrent left and right eye grading.	Yes	Yes	No
	Auto color match grade between eyes using primary or curves match.	Yes	Yes	No
	Select first or middle frame for auto color and auto match operations.	Yes	Yes	No
New	Multi region and multi pixel Stereoscopic color matching.	Yes	Yes	No
	Copy left to right eye, or right to left or grade both simultaneously in real time.	Yes	Yes	No
	Delta between eyes can be preserved or graded out per clip, reel or camera.	Yes	Yes	No
	Apply grade ripple to both eyes.	Yes	Yes	No
	Ripple also applies to node labels.	Yes	Yes	No
	Optional preservation of convergence data when copying grades.	Yes	Yes	No
	Stereo still wipe with invert option.	Yes	Yes	No
	Apply ColorTrace to copy grades from other projects to both eyes.	Yes	Yes	No
	Save stereoscopic 3D stills with grades for each eye.	Yes	Yes	No
	Timeline thumbnails display current eye with source image status.	Yes	Yes	No

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Stereoscopic 3D Image Alignment

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
	Automatic multipoint Stereoscopic 3D image alignment to correct camera rig errors.	Yes	Yes	No
	Analyze one, all, or a selection of clips for auto alignment.	Yes	Yes	No

Convergence for mono-clips, titles, mattes and node sizing.	Yes	Yes	No
Protected convergence settings when coping grades.	Yes	Yes	No
Pitch and Yaw controls for keystone correction.	Yes	Yes	No

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Stereoscopic 3D Monitoring	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Real time concurrent display of Stereoscopic 3D timelines.	Yes	Yes	No
Display either eye or stereoscopic with a mouse click.	Yes	Yes	No
User interface display of side-by-side, line-by-line, checkerboard, Anaglyph B&W or color difference.	Yes	Yes	No
User selectable checkerboard size.	Yes	Yes	No
Full floating windows controls with eye ganging.	Yes	Yes	No
Swap monitoring eye image control.	Yes	Yes	No
Real time and separate HD-SDI RGB 10 bit output of each eye.	Yes	Yes	No
Separately configurable meshed HD-SDI output of stereoscopic images.	Yes	Yes	No
Separately configurable meshed scopes display of stereoscopic images.	Yes	Yes	No
Stereoscopic 3D filter options for convergence, auto-align, swapped media and floating windows.	Yes	Yes	No
Optional stereo wipe for waveform and DVI monitor output.	Yes	Yes	No
Full YUV 10 bit HD resolution left and right eye playback on DeckLink and UltraStudio.	Yes	Yes	No
Media Pool monitoring eye selection including metadata review and edit.	Yes	Yes	No

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Stereoscopic 3D Workflow	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Automatic Left and Right eye sync using timecode, reel name and file name in Media Pool.	Yes	Yes	No
Supports Stereoscopic 3D Track Mattes.	Yes	Yes	No
Real time dual eye ingest and playout to tape.	Yes	Yes	No
Slip one eye timecode sync in reference to the other.	Yes	Yes	No
Automatic image H Flip and V Flip from camera metadata.	Yes	Yes	No
Individual clip Stereoscopic 3D editing.	Yes	Yes	No

	DaVinci Resolve	DaVinci Resolve	DaVinci Resolve Lite
Supports Stereoscopic 3D SDL import via ColorTrace.	Yes	Yes	No
Stereoscopic 3D side-by-side and line-by-line render option.	Yes	Yes	No
Swap source eye image control.	Yes	Yes	No
Start with a 2D project and convert to 3D by Color-tracing grades to the other eye.	Yes	Yes	No
Start with a 3D project and render 2D version from either eye.	Yes	Yes	No

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Fully Nodal Processing Architecture	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Full node based control for all image processing.	Yes	Yes	Yes
Grade bypass for quick before and after grade review.	Yes	Yes	Yes
Optimized latency while grading complex node graphs.	Yes	Yes	Yes
Unlimited corrector nodes per clip.	Yes	Yes	Yes
Serial and parallel image path with complete user control.	Yes	Yes	Yes
Unlimited parallel mixer, layer mixer, key mixer and matte nodes.	Yes	Yes	Yes
Splitter and Combiner nodes for single color channel effects.	Yes	Yes	Yes
Layer node composite effects.	Yes	Yes	Yes
Drag and drop corrections from one node to another.	Yes	Yes	Yes
Drag and drop corrections from one still or clip to another.	Yes	Yes	Yes
Drag and drop to append nodes.	Yes	Yes	Yes
Unlimited undo and redo.	Yes	Yes	Yes
Append grades, stills and memories to existing node graph.	Yes	Yes	Yes
Insert new node prior to current on existing node graph.	Yes	Yes	Yes
Append node and automatically ripple grade.	Yes	Yes	Yes
Enable and disable all or current node.	Yes	Yes	Yes
Drag stills and memories grades to any position within the node graph.	Yes	Yes	Yes
Switching clips node selection priority option on node editor.	Yes	Yes	Yes
User selectable node copy and paste protection for five nodes.	Yes	Yes	Yes
User selectable PTZR, Arri and RED decoder copy and paste protection.	Yes	Yes	Yes

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Clip Version Grading

Clip Version Grading	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Unlimited graded versions per clip.	Yes	Yes	Yes
Name versions and copy grades to other clips.	Yes	Yes	Yes
Display multiple grade versions in the viewer for quick comparison of grades.	Yes	Yes	Yes
Select version control for render.	Yes	Yes	Yes
Automatic mulitple version management during render.	Yes	Yes	Yes

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Clip Group Grading

Clip Group Grading		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
	Unlimited grouping of clips for grading.	Yes	Yes	Yes
New	Enhanced Group management with Pre-Clip and Post-Clip node graphs.	Yes	Yes	Yes
	Grade all shots in any group.	Yes	Yes	Yes
	Add and remove single shots from group.	Yes	Yes	Yes
	User defined naming of groups.	Yes	Yes	Yes

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Keyframe Timeline

Keyframe Timeline	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Color corrections, PTZR and transitions displayed on separate keyframe timeline.	Yes	Yes	Yes
Dedicated Track layer for downstream grading of complete timeline.	Yes	Yes	Yes
Every grading parameter is key-framable.	Yes	Yes	Yes
Unmix multiple track composite viewer to see individual clips.	Yes	Yes	Yes
Unmix pre-conformed dissolves to grade either side of the effect.	Yes	Yes	Yes
Display of all keyframes on clip or track timeline.	Yes	Yes	Yes
User configurable profile for non-linear interpolation between keyframes.	Yes	Yes	Yes
BMD panel control to expand and collapse keyframe mark groups.	Yes	Yes	Yes
Add and remove marks within keyframe mark sub-groups.	Yes	Yes	Yes
Panel and mouse control to add, trim and delete keyframes on clip or track timeline.	Yes	Yes	Yes

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
	Auto keyframe, parameter lock and channel activation for selective control.	Yes	Yes	Yes

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ACES Colorspace Grading

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
New	ACES Colorspace v0.7.1 support.	Yes	Yes	Yes
New	User selection of ACES Colorspace version.	Yes	Yes	Yes
	Automatic ACES Log10 and Log12 support.	Yes	Yes	Yes
	Sony Log3 IDT.	Yes	Yes	Yes
	Canon C500 IDT.	Yes	Yes	Yes
	Supports individual IDT for each source	Yes	Yes	Yes
New	IDT selection for Rec 709 & 2020, P3, ALEXA, Canon C500, 1D, 5D, 7D, Sony RAW, ADX 10 & 16, CinemaDNG and DCDM.	Yes	Yes	Yes
	ODT selection for Rec 709, DCDM, P3 D60, P3 DCI, ADX and sRGB.	Yes	Yes	Yes

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Sony F65, F55 and F5 Grading

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
	Real time high quality GPU debayering of Sony Raw.	Yes	Yes	Yes
	Real time decoding and playback of 4K RAW clips.	Yes	Yes	Yes
	Half and quarter resolution debayer options for low GPU powered systems.	Yes	Yes	Yes
	Separate debayer and image sizing options play vs. stop for low GPU powered systems.	Yes	Yes	Yes
	Supports Sony SLog3, SGamut3 and SGamut3Cine for Sony Raw.	Yes	Yes	Yes
	Supports Sony SLog3 to Rec709 1D LUT.	Yes	Yes	Yes
	Supports Sony SLog3-SGamut3Cine to Rec709 3D LUTs.	Yes	Yes	Yes
	Supports XAVC and SStP compression formats.	Yes	Yes	Yes
	User selectable ISO and color temperature.	Yes	Yes	Yes
New	Supports SONYRAW metadata.	Yes	Yes	Yes

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Arri Alexa Grading

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
	Real time high quality GPU debayering.	Yes	Yes	Yes
	Real time decoding and playback of Alexa Raw clips.	Yes	Yes	Yes
	Half and quarter resolution debayer options for low GPU powered systems.	Yes	Yes	Yes
	Separate debayer and image sizing options play vs. stop for low GPU powered systems.	Yes	Yes	Yes
	Supports Alexa v3 color science.	Yes	Yes	Yes
	Supports ARRIRAW metadata.	Yes	Yes	Yes
New	Tint control for Arri Raw files.	Yes	Yes	Yes
	Automatic application of Arri LUTs.	Yes	Yes	Yes
	User selectable ISO and color temperature.	Yes	Yes	Yes

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Red R3D Grading		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
	Real time decoding and playback of R3D clips.	Yes	Yes	Yes
	User selectable decode using GPU, Rocket or CPU.	Yes	Yes	Yes
	User selectable decode controls per project and per clip.	Yes	Yes	Yes
	Use R3D camera metadata or individual clip decoder controls.	Yes	Yes	Yes
	Supports HDRx, REDcolor3, REDGamma3 and v3 color science.	Yes	Yes	Yes
	Supports Dragon OLPF and Rocket-X.	Yes	Yes	Yes
	Individual DaVinci Resolve Control Surface controls for all parameters.	Yes	No	No
	Gang, adjust and apply one or multiple decode parameters.	Yes	Yes	Yes
	Copy one or multiple decode parameters to other clips.	Yes	Yes	Yes
	Grade with lower resolution for real time and render at full res.	Yes	Yes	Yes
New	Supports REDRAW metadata.	Yes	Yes	Yes
	R3D metadata saved with stills.	Yes	Yes	Yes

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Splitscreen Grading		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
	User selectable playback and grading of multiple clips.	Yes	Yes	Yes

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Grade one clip and automatically apply grade to others.	Yes	Yes	Yes
Use stills and memories to view your current clip with different looks.	Yes	Yes	Yes
Simultaneous control of up to 16 images	Yes	Yes	Yes

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Real Time Timeline Power Mastering

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Direct master to deck in HD or SD from timeline without rendering.	Yes	Yes	No
4k or 2k to HD or SD and HD to SD output to VTR in real time without rendering. (subject to hardware configuration)	Yes	Yes	No
Power Master source or record timelines with user defined handles.	Yes	Yes	No
Power Master Stereoscopic 3D projects to tape without rendering.	Yes	Yes	No
Power Master with programable clip pan and scan.	Yes	Yes	No
Power Master with definable output formatting inc masks/blanking.	Yes	Yes	No
Includes user-definable slate key over image inc file name, timecodes, imagepath etc.	Yes	Yes	No

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External Matte Support

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Support for external RGBA and single channel mattes.	Yes	Yes	Yes
Multiple matte support for every node graph.	Yes	Yes	Yes
User controllable matte mixing and blur.	Yes	Yes	Yes
Spatial and temporal alignment control of external mattes.	Yes	Yes	Yes
Loop option for external mattes that are shorter than clip length.	Yes	Yes	Yes
Freeze option for external mattes to freeze any frame.	Yes	Yes	Yes
Use same clip as external mattes option for creative effects.	Yes	Yes	Yes
External matte support for track grade.	Yes	Yes	Yes
External matte sizing lock to source image.	Yes	Yes	Yes

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1D and 3D LUT Support

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Open standard .cube LUT support.	Yes	Yes	Yes
Real time 3D or 1D LUT application to images.	Yes	Yes	Yes
Shaper LUT support.	Yes	Yes	Yes
3D or 1D LUTs at input, output and display.	Yes	Yes	Yes
3D or 1D LUTs for every node.	Yes	Yes	Yes
Capture external 3D LUTs.	Yes	Yes	Yes
One click generation of 3D LUT from current grade.	Yes	Yes	Yes
LUT soft clip controls and video level soft clippers.	Yes	Yes	Yes
User selectable LUT on or not on waveform.	Yes	Yes	Yes

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Copy Grades Between Clips

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Middle mouse click copy of grade to current clip.	Yes	Yes	Yes
Copy grades to any clip number.	Yes	Yes	Yes
Copy grades to any range of clips.	Yes	Yes	Yes
Drag and drop nodes from stills to node graph.	Yes	Yes	Yes
Apply or append still or memory node graph to new clip.	Yes	Yes	Yes
Copy and paste node metadata between nodes including dynamics.	Yes	Yes	Yes
Selections to preserve X number of nodes when copying grades.	Yes	Yes	Yes

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Ripple Grades Between Clips

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Ripple exact grade change to new clips.	Yes	Yes	Yes
Ripple percentage value change to new clips.	Yes	Yes	Yes
Ripple unit value change to new clips.	Yes	Yes	Yes
Ripple all values to new clips.	Yes	Yes	Yes

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DaVinci

Copy Grades Between Sessions

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Automatic color correction linking with new EDL changes using source timecode.	Yes	Yes	Yes
Automatic color correction linking for new versions.	Yes	Yes	Yes
Corrections are automatically applied to replacement source clips.	Yes	Yes	Yes

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Colortrace Grades

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Automatic colortrace corrections from one session to another session based on source clip timecode.	Yes	Yes	Yes
Manual colortrace corrections for clips with different timecode.	Yes	Yes	Yes
Ability to ColorTrace all versions from source to target.	Yes	Yes	Yes
Automatic multi-project Colortrace to transfer digital dailies grades.	Yes	Yes	Yes
Expanded preserve options in ColorTrace and Gallery copy operations.	Yes	Yes	Yes

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Batch Link Grades

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
User selectable link or batch unlink clips for grading.	Yes	Yes	Yes
Batch copy linked grades.	Yes	Yes	Yes
Batch unlink from default grades.	Yes	Yes	Yes

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Scroll Timeline

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Scroll along timeline to view and copy grades.	Yes	Yes	Yes
Instant review of new grade on current clip.	Yes	Yes	Yes
One click selection of new grade or exit without copy and paste.	Yes	Yes	Yes

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Render Cache Clips

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Enhanced render cache with user selectable cache points for source, nodes, and clip thumbnail and			

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
New	Enhanced render cache with user selectable cache points for source, nodes, and clip thumbnail and timeline.	Yes	Yes	Yes
New	User selectable cache formats; ProRes, DNxHD, OpenEXR, DPX	Yes	Yes	Yes
New	Render Cache modes include Smart and User selected.	Yes	Yes	Yes
New	Extremely Fast Background Render cache.	Yes	Yes	Yes
New	Render Cache selection and status indicated on nodes and clips.	Yes	Yes	Yes
	Render cache metdata is saved with project.	Yes	Yes	Yes

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Dirt and Dust Correction

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Click and drag dirt and dust correction for DPX images.	Yes	Yes	Yes
User selectable temporal or spacial correction.	Yes	Yes	Yes
User selectable correction aggression and blend.	Yes	Yes	Yes
User selectable region of interest and clean size.	Yes	Yes	Yes

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Safe Area and Blanking Markers

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Full safe area markers including extents, action, title and centre.	Yes	Yes	Yes
Preset image aspect ratio markers.	Yes	Yes	Yes
User adjustable markers.	Yes	Yes	Yes
Save and recall multiple marker presets.	Yes	Yes	Yes

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Output Blanking Presets

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Full set of output blanking presets.	Yes	Yes	Yes
User selectable 1.33, 1.66, 1.77, 1.85 and 2.35 aspect ratio blanking presets.	Yes	Yes	Yes
Separate output resolution and pixel aspect ratio.	Yes	Yes	Yes

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Gallery to Save and Manage Stills		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Resolution independent still store image gallery.		Yes	Yes	Yes
PowerGrade stills library for each user to share stills between projects.		Yes	Yes	Yes
New Multiple user named PowerGrade folders.		Yes	Yes	Yes
Append PowerGrade still grade with quick double mouse click.		Yes	Yes	Yes
Resizable stills and user named albums.		Yes	Yes	Yes
44 pre-made 'Looks' for fast grade selection.		Yes	Yes	Yes
One click to capture still.		Yes	Yes	Yes
All stills store the grade node map for simplified re-grades.		Yes	Yes	Yes
Display node map for one click, drag and drop grading.		Yes	Yes	Yes
Keyframe timeline metadata stored with Gallery stills.		Yes	Yes	Yes
Name and search stills.		Yes	Yes	Yes
Stills display filter for current or all sessions.		Yes	Yes	Yes
Force just one still for each scene.		Yes	Yes	Yes
Auto capture of still from all clips.		Yes	Yes	Yes
Grab all stills from first or middle frame.		Yes	Yes	Yes
Grab all missing stills.		Yes	Yes	Yes
Drag and drop stills between albums, pages, memories and PowerGrades.		Yes	Yes	Yes
Sort stills by record and source timecode, or grab and also clip and creation time.		Yes	Yes	Yes
User selectable automatic still and timeline trace.		Yes	Yes	Yes
Import stills from other project databases.		Yes	Yes	Yes
Import and convert stills from other devices across the network.		Yes	Yes	Yes
Export stills in different formats for use offline.		Yes	Yes	Yes
Add albums to build your own library, storyboard or special effects store.		Yes	Yes	Yes
Export and import stills with DaVinci Resolve eXchange, DRX, color correction metadata.		Yes	Yes	Yes

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Playback of Stills and Memories for Color Grade Reference	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
One click to compare to online clip.	Yes	Yes	Yes

| | One click to compare to online clip. | Yes | Yes | Yes |

One click to wipe to online or offline clip.	Yes	Yes	Yes
One click to compare with wipe to any other clip on timeline.	Yes	Yes	Yes
View still with image with horizontal or vertical wipe.	Yes	Yes	Yes
Flip, pan and zoom still images for image comparison.	Yes	Yes	Yes

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EDIT

Editing	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Comprehensive editing system with fast and familiar editing tools.	Yes	Yes	Yes
Multi-track video and audio editing.	Yes	Yes	Yes
High quality optical flow speed changes.	Yes	Yes	Yes
Support for compound clips.	Yes	Yes	Yes
Transform, crop and opacity video effects.	Yes	Yes	Yes
Multiple take selector.	Yes	Yes	Yes
Stereoscopic 3D editing.	Yes	Yes	Yes
Supports speed changes and speed warps from FCP XML and Avid AAF with handles.	Yes	Yes	Yes
Consolidate RED r3d, ARRIRAW, DNG and DPX clips via trimming to new extents, with handles.	Yes	Yes	Yes
Preview composite of all tracks in real time.	Yes	Yes	Yes
Supports drag and drop editing on and between tracks.	Yes	Yes	Yes
Supports drag and drop effects from Effects Pool.	Yes	Yes	Yes
Mark in and mark out of source clip.	Yes	Yes	Yes
Insert and overwrite source clip to any track.	Yes	Yes	Yes
Add or delete; clips, cuts, dissolves or speed changes.	Yes	Yes	Yes
Supports slip, slide, roll and ripple.	Yes	Yes	Yes
Split viewer display of both clips when edit trimming.	Yes	Yes	Yes
Supports two and three point editing.	Yes	Yes	Yes
Support for four point fit-to-fill editing with optical flow retiming.	Yes	Yes	Yes

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
	Supports edit trimming with clip extents display.	Yes	Yes	Yes
	Expandable timeline view for long edit sessions.	Yes	Yes	Yes
	Three timeline thumbnail layout options with resizable tracks.	Yes	Yes	Yes
	Add, delete and lock tracks.	Yes	Yes	Yes
	Optional audio waveform display on tracks.	Yes	Yes	Yes
	Eight different color user positioned flags to mark clips.	Yes	Yes	Yes
	Eight different color user positioned markers for frame identification.	Yes	Yes	Yes
	Undo and redo edits with history display.	Yes	Yes	Yes
	Edit screen media pool clip scrubber.	Yes	Yes	Yes
New	Inspector selector for Video, Audio, OpenFX adjustment options.	Yes	Yes	Yes
New	Copy and paste all attributes to multiple clips.	Yes	Yes	Yes
New	Through-edit Indicators on the timeline with a "join through-edit" command.	Yes	Yes	Yes
New	User defined favorite transitions, titles OpenFX plugins and generators.	Yes	Yes	Yes
New	Sub-clips are easily generated by selecting in and out points then the sub-clip icon.	Yes	Yes	Yes
New	Source viewer markers can be added that are timecode referenced to the clip.	Yes	Yes	Yes
New	End of timeline is now indicated on the viewer.	Yes	Yes	Yes
New	Additional edit index fields, start and end source timecodes, slate timecode, audio TC	Yes	Yes	Yes
New	Flags and markers now shown in Edit Index.	Yes	Yes	Yes
New	Users can add notes to flags and markers.	Yes	Yes	Yes
New	The edit index list includes 'Show Through Edits' option.	Yes	Yes	Yes
New	User naming of timeline tracks.	Yes	Yes	Yes
New	Timeline tracks display number of clips on the track.	Yes	Yes	Yes
New	Snapping on timeline markers.	Yes	Yes	Yes
New	Retime Clip menu now also appears on the right click contextual menu.	Yes	Yes	Yes
New	Option to ripple timeline markers when any track is rippled.	Yes	Yes	Yes
New	Editing of compound clips.	Yes	Yes	Yes

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Timeline and Viewers		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
New	All viewers reposition to any point on the clip/timeline with absolute or relative timecode input.	Yes	Yes	Yes

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
New	JKL frame by frame and 50% slow motion forward or backward operation.	Yes	Yes	Yes
New	OpenFX transitions and generators.	Yes	Yes	Yes
New	Edit keyframe timeline with curve editor including splined based (bezier) ease-in/ease-out and linear selections.	Yes	Yes	Yes
New	4-up display for slip and slide.	Yes	Yes	Yes
New	Source/Timeline viewer playhead ganging.	Yes	Yes	Yes
New	Split video and audio in and out points on source and timeline viewers.	Yes	Yes	Yes
New	Slide-able source destination selector in the track control manager.	Yes	Yes	Yes
New	Create Timeline Using Bin or Selected Clips to quickly assemble a timeline from any media in the media pool.	Yes	Yes	Yes
New	Option-dragging the top or bottom of a simple edit point turns it into a split edit point.	Yes	Yes	Yes
New	Shift click and drag to constrain clips in time while moving them to higher or lower tracks.	Yes	Yes	Yes

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Trim Edits		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
New	Move/Trim/Edit a selected edit or selection of clips based on timecode entry.	Yes	Yes	Yes
New	Trim Start or End let you resize the in and out point of a clip that intersects the playhead to the current playhead position.	Yes	Yes	Yes
New	Asymmetrical trimming by simply Cmd-clicking individual opposite halves of edit points.	Yes	Yes	Yes
New	Extend edit command for single and multiple edit selections.	Yes	Yes	Yes
New	JKL dynamic trimming with Cmd and JKL to dynamically resize or trim the selected edit.	Yes	Yes	Yes
New	JKL dynamic Slip or Slide with Cmd and JKL to dynamically slip or slide the selected clip.	Yes	Yes	Yes

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Audio		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
New	Audio crossfade with 0dB, +3dB and -3dB transition options.	Yes	Yes	Yes
New	Adaptive audio track option to map up to 16 audio channels.	Yes	Yes	Yes
New	Clip audio mixer.	Yes	Yes	Yes
New	Numeric editing of audio mixer fader value.	Yes	Yes	Yes
New	Option to use system audio even when Desktop Video is selected for use.	Yes	Yes	Yes

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
New	Source viewer audio waveform display with each audio channel displayed.	Yes	Yes	Yes
New	Custom zoom selection for audio in source viewer.	Yes	Yes	Yes
New	Track audio mixer offers mono channel routing.	Yes	Yes	Yes
New	Display of multiple channel audio waveforms in user selected timeline audio clip.	Yes	Yes	Yes

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Timeline list

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
New	Timeline Folders to manage timelines in the timeline list.	Yes	Yes	Yes
New	Addition of Creation and Modified Date data in timeline list.	Yes	Yes	Yes
New	Name, creation and modified date filters for timeline list.	Yes	Yes	Yes
New	Pop-up menu to filter out all but .xml or .aaf for .edl files in the xml, aaf and edl importer.	Yes	Yes	Yes

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Transitions

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
New	Add default transition option on edit points.	Yes	Yes	Yes
New	Inspector now includes a transitions duration parameter	Yes	Yes	Yes
New	Inspector includes transition start on edit, centre on edit and end on edit options.	Yes	Yes	Yes
New	Added ease in, ease out and ease in/out transition options.	Yes	Yes	Yes
New	Multiple default transition duration selections with right click on edit.	Yes	Yes	Yes
New	Concurrently add transitions to multiple selected edit points.	Yes	Yes	Yes
New	Extent edit command to extend clips to the playhead.	Yes	Yes	Yes
New	Oval Transition now includes aspect ratio support.	Yes	Yes	Yes
New	Default transition support.	Yes	Yes	Yes
New	Favorite transitions indicators.	Yes	Yes	Yes
New	Command drag and bump a clip in a track generates a dissolve.	Yes	Yes	Yes
New	Image dissolve modes include: Video, Film, Additive, Subtractive, Highlights and Shadows.	Yes	Yes	Yes

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		DaVinci	DaVinci	DaVinci
Titles				

Titles

		Resolve	Resolve Software	Resolve Lite
	Static, lower third, scroll and crawl titles.	Yes	Yes	Yes
	Rich text title generation.	Yes	Yes	Yes
New	Extensive expansion of rich title generation and management.	Yes	Yes	Yes
New	Title controls include: Stroke Size, Color, Over/Underline, Strikeout, Tracking, Line Spacing and Capitalization.	Yes	Yes	Yes
New	Underline and behind graphic bars for text.	Yes	Yes	Yes

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Generators

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
	Bars, tone and slate generators.	Yes	Yes	Yes
	Adjust generator with sizing, cropping and compostion modes.	Yes	Yes	Yes
New	User defined favorite generators.	Yes	Yes	Yes

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Timeline Conform Toolset

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
	Supports mixed source clip frame rate.	Yes	Yes	Yes
	Optional automatic creation of the Master timeline to match the Media Pool.	Yes	Yes	Yes
	Edit timeline name and start timecode.	Yes	Yes	Yes
	Master and Default timelines can be sorted in timecode order or reel number and timecode order.	Yes	Yes	Yes
	Conform clips using multiple layer XML, AAF or EDL metadata.	Yes	Yes	Yes
	Conform with reel name extracted from the file name.	Yes	Yes	Yes
	Use timecode embedded in the source clip or clip frame count.	Yes	Yes	Yes
	Conform partial clips with black gaps.	Yes	Yes	Yes
	Assist conform with reel name from user defined clip file path.	Yes	Yes	Yes
	Assist conform with underscore reel numbers from r3d files.	Yes	Yes	Yes
	Assist conform with reel numbers from the media pool folder or source embedding.	Yes	Yes	Yes
	Manual and automatic force conform to specific clip.	Yes	Yes	Yes
	Conform with user defined reel names in media pool.	Yes	Yes	Yes
	Re-conform from folders to add or remove clips.	Yes	Yes	Yes

Re conform from folders to add or remove clips.	Yes	Yes	Yes
Generate new session with or without user defined handles.	Yes	Yes	Yes
Automatic frame syncing between switched sessions.	Yes	Yes	Yes
Supports drop frame timecode.	Yes	Yes	Yes
Copy and paste clip keyboard shortcuts in conform timeline.	Yes	Yes	Yes
Display source timecode option in conform timeline viewer.	Yes	Yes	Yes
16 channel audio meters with selectable dB and dBu scale.	Yes	Yes	Yes

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Multitrack XML Support	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Multiple track Final Cut Proª 7 XML timeline support.	Yes	Yes	Yes
Supports Final Cut Proª 7 XML v5 import and export.	Yes	Yes	Yes
Includes the automatic setting of Resolves timeline resolution and frame rate.	Yes	Yes	Yes
Also allows one click importing and linking of source clips.	Yes	Yes	Yes
Supports relinking events and clips when reimporting a changed Final Cut Proª 7 edit via XML.	Yes	Yes	Yes
Supports cuts, cross dissolves and opacity.	Yes	Yes	Yes
Supports Final Cut Pro 7 XML clip by clip selectable import of image sizing data.	Yes	Yes	Yes
Supports the following FCP7 effects: cross, diamond and oval iris; centre, clock, edge and venetian blind wipe.	Yes	Yes	Yes
Supports wipe borders with softness.	Yes	Yes	Yes
Supports the following FCP7 composite modes: Add, subtract, difference, multiply, screen, overlay, darken and lighten.	Yes	Yes	Yes
Supports Final Cut Proª XML export including file location metadata.	Yes	Yes	Yes
Supports Final Cut Proª X XML round trip.	Yes	Yes	Yes
Supports cuts, dissolves and speed changed events.	Yes	Yes	Yes
Ignore file extension option when conforming using XML.	Yes	Yes	Yes

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Multitrack AVID AAF Support	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Includes Avid AAF export for simplified AMA round trip with handles.	Yes	Yes	Yes

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Avid AAF import support for cuts, dissolves, speed changes, dip to color.	Yes	Yes	Yes
Avid AAF import support for edge wipe with border, center wipe with border, clock and venetian blind wipe, cross, oval and diamond iris wipe.	Yes	Yes	Yes
Avid AAF import support for sizing effect with PTZR and overlay composite.	Yes	Yes	Yes
Ignore file extension option when conforming using AAF.	Yes	Yes	Yes

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Conform and Offline Video Verification

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Automatic XML, AAF and EDL conforming of online clips.	Yes	Yes	Yes
Synchronized playback of online and offline images to check conform.	Yes	Yes	Yes
Conform EDL highlights current clip on current track.	Yes	Yes	Yes
Automatic media pool clip sync.	Yes	Yes	Yes
Supports multiple offline clips with individual timecode offset.	Yes	Yes	Yes
User selectable offline image shine through for missing conform clips.	Yes	Yes	Yes
User selectable automatic EDL hole replacement with black clip.	Yes	Yes	Yes
Offline and online image sync on color and conform screen.	Yes	Yes	Yes
Auto location of clips in the Media Pool to find missing clips.	Yes	Yes	Yes

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EDL Support

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Supports industry standard CMX3600 EDLs with cuts, cross dissolves and speed changes.	Yes	Yes	Yes
Load multiple EDLs and offline video to conform, edit, and display in sync with online image.	Yes	Yes	Yes
Automatically conforms source images to EDL.	Yes	Yes	Yes
Conform from timecode in header, reel number and file path.	Yes	Yes	Yes
Conform partial clips.	Yes	Yes	Yes
Supports FCP, Avid and Discreet EDLs with long reel names for conforming and selects grade.	Yes	Yes	Yes
Conform native RED R3D files using absolute or time of day code.	Yes	Yes	Yes
Conform and auto load source clips to Media Pool.	Yes	Yes	Yes
Import pre-conformed clips and auto match grades.	Yes	Yes	Yes
Source and record mode for pre-conformed projects.	Yes	Yes	Yes

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Single and multiple clip reel name editing.	Yes	Yes	Yes
Import and Export SMPTE standard EDLs.	Yes	Yes	Yes
Load EDL to new track in existing session.	Yes	Yes	Yes
Export EDL of missing clips.	Yes	Yes	Yes

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CDL Support

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Import and export of ASC color decision list.	Yes	Yes	Yes
Supports full slope, offset and power specifications.	Yes	Yes	Yes
Supports additional saturation metadata.	Yes	Yes	Yes
CDL events syncronised with EDL events.	Yes	Yes	Yes
Also supports stereoscopic 3D sizing metadata.	Yes	Yes	No
New — Also supports SDL, stereoscopic decision list.	Yes	Yes	No

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Automatic Scene Cut Detection

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Automatically detects scene cuts 5X faster than real time.	Yes	Yes	Yes
Visual display of the last frame of scene next to first and second frame of the next scene.	Yes	Yes	Yes
Autocue display of all cuts as detected in real time.	Yes	Yes	Yes
Includes user variable pre, during and post detection threshold.	Yes	Yes	Yes
Automatically split a single clip into subclips within the media pool.	Yes	Yes	Yes
Includes scene cut add and delete.	Yes	Yes	Yes
Includes prune within marked in and out range.	Yes	Yes	Yes
Generate an EDL or pull list from the scene detector.	Yes	Yes	Yes
Load a previously generated EDL or pull list.	Yes	Yes	Yes

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SCALABLE POWER

System Scalability	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Scalable clustered GPU image processing for super computer performance.	3 on Mac OS X 3 on Windows 8 on Linux	3 on Mac 3 on Windows	1 GPU 2 GPU on 2014 MacPro
Supports NVidia CUDA GPUs for performance grading.	Yes	Yes	Yes
Supports AMD GPUs using OpenCL for performance grading.	Mac OS X Yes Windows Yes Linux No	Mac OS X Yes Windows Yes	1 GPU 2 GPU on 2014 MacPro
Multiple Red Rocket support.	Yes	Yes	1 Red Rocket
Modular hardware configuration, upgradable as project demand requires.	Yes	Yes	Yes
Scalable Linux computer systems using Infiniband.	Mac OS X No Windows No Linux Yes	No	No
Scalable PCIe slots via Cubix and Cyclone Expander chassis.	Yes	Yes	Yes
Scaleable hardware configurations for faster than real time renders.	Yes	Yes	Yes
Second/third user interface monitor support for video scopes.	Yes	Yes	Yes
User interface screen resolution support from 1680 x 1050 upto 2560 x 1440.	Yes	Yes	Yes
New Shared media path support for sharing/moving projects between Mac, Linux and Windows systems.	Yes	Yes	Yes

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Quality Image Processing	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Full 32 bit floating point image Processing.	Yes	Yes	Yes
DaVinci YRGB Color Science.	Yes	Yes	Yes
ACES Colorspace support.	Yes	Yes	Yes
Sub pixel optical quality image resizing.	Yes	Yes	Yes
Grade flat gamma, linear and log images with equal precision.	Yes	Yes	Yes

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Dynamic Multi-point Render Cache	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
New Enhanced render cache with user selectable cache points for source, nodes, and clip.	Yes	Yes	Yes

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
New	User selectable cache formats; ProRes, DNxHD, OpenEXR, DPX	Yes	Yes	Yes

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Customizable Keyboard Shortcut Mapping

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
New	User customizable keyboard shortcuts.	Yes	Yes	Yes
New	Shortcut lists can be modified and saved as user presets.	Yes	Yes	Yes
New	Preset list includes popular editing applications shortcuts.	Yes	Yes	Yes
New	Export and Import keyboard maps.	Yes	Yes	Yes

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Dual Monitor User Interface

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
New	User selectable single or dual GUI monitor mode.	Yes	Yes	Yes
New	GUI layout for dual monitors configured for Primary and secondary display.	Yes	Yes	Yes

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Monitor Calibration

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
	Automatic calibration patch generation on GUI and SDI output for third party probe and calibration systems.	Yes	Yes	Yes
	Supports Lightspace and SpectraCal calibrations systems.	Yes	Yes	Yes
	Supports user defined patch size.	Yes	Yes	Yes

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Video Scopes

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
New	Optimised display for minimum impact on CPUs while displaying high quality traces.	Yes	Yes	Yes
New	Scopes display automatically on Media and Color page in dual monitor configuration.	Yes	Yes	Yes
	In single monitor mode select scopes in 1, 2 or 4 up display mode with user selectable position.	Yes	Yes	Yes
	User configurable trace and graticule brightness.	Yes	Yes	Yes
	User configurable reference level indications.	Yes	Yes	Yes

	Zoom and pan traces, and select B&W or color.	Yes	Yes	Yes
	Vectorscope with 'skin tone' indicator.	Yes	Yes	Yes

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Real Time SDI Video Output to Grading Display	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Supports HD-SDI monitoring via DeckLink 4K Extreme.	Yes	Yes	Yes
Supports HD-SDI monitoring via DeckLink Extreme 3D+.	Yes	Yes	Yes
Supports HD-SDI monitoring via UltraStudio 4K.	Mac OS X Yes Windows No Linux No	Mac OS X Yes Windows No Linux No	Mac OS X Yes Windows No Linux No
Supports HD-SDI monitoring via UltraStudio 3D.	Mac OS X Yes Windows No Linux No	Mac OS X Yes Windows No Linux No	Mac OS X Yes Windows No Linux No
4K-DCI 4096x2160 - 8 and 10 bit YUV or RGB video monitoring.	Yes	Yes	No
UHD - 8 and 10 bit YUV or RGB video monitoring.	Yes	Yes	Yes
2K 1080 - 8 and 10 bit YUV or RGB video monitoring.	Yes	Yes	Yes
HD 720 - 8 and 10 bit RGB or YUV video monitoring.	Yes	Yes	Yes
Standard Definition (NTSC/PAL) 8 and 10 bit RGB or YUV video monitoring.	Yes	Yes	Yes
Legal scaled or full range output levels.	Yes	Yes	Yes
Selectable application of 3:2 pulldown.	Yes	Yes	Yes
Selectable XYZ color space for DCI grading.	Yes	Yes	Yes
New Option to select 6G SDI in UHD monitoring mode.	Yes	Yes	Yes

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WORKFLOW

Collaborative Team Work	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
New Multi-user collaborative workflow with simultaneous project and timeline sharing.	Yes	Yes	No
New Full editor operation with concurrent colorist and assistant grading.	Yes	Yes	No
New Users publish updates for review by project owner.	Yes	Yes	No
New Automatic or selected update acceptance.	Yes	Yes	No
New Concurrent users can work on different timelines in the same project and share grades across timelines.	Yes	Yes	No

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Resolve Live Real Time Video Input for Grading and Display	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Live video input feed is displayed on the viewer and with a second video card also to the grading monitor.	Yes	Yes	Yes
Grade and capture a snapshot of the incoming video.	Yes	Yes	Yes
Store grade snapshot metadata and stills of shots.	Yes	Yes	Yes
Using ColorTrace link snapshot grades to full length clips.	Yes	Yes	Yes
New Direct control of multiple HD-Links for on set multiple camera grading.	Yes	Yes	Yes
Supports live HD-SDI grading monitor output burn-ins.	Yes	Yes	Yes

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Multiple Language Support	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
New User interface supports multiple languages.	Yes	Yes	Yes
New Native English support with additional options as available.	Yes	Yes	Yes
New Selection of alternative languages from system preferences for fast selection.	Yes	Yes	Yes

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Single User and Facility Wide Project Management	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Simple scroll User Icon and select to login.	Yes	Yes	Yes
Individual colorist password protected login.	Yes	Yes	Yes
Browse and select projects with scrubbable thumbnail or list view.	Yes	Yes	Yes
Double-click thumbnails for fast project loading.	Yes	Yes	Yes
Search project by name or format.	Yes	Yes	Yes
Sort project by name, creation or modified date, or frame rate.	Yes	Yes	Yes
Arrange and save projects in folders for easy organization.	Yes	Yes	Yes
Hover over project folders to reveal project and timeline count.	Yes	Yes	Yes
Project count displayed per user in thumbnail and list view.	Yes	Yes	Yes

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Import projects from other users and databases.	Yes	Yes	Yes
Export projects to archive with or without stills, EDLs, LUTs and audio.	Yes	Yes	Yes
Supports Disk Database to share users and projects.	Yes	Yes	Yes
One click selection of alternative databases to import projects.	Yes	Yes	Yes
User add, delete and connect to new project database.	Yes	Yes	Yes
Optional PostgreSQL database to share users and projects.	Yes	Yes	Yes
Database Server Option to share database with multiple Resolves.	Yes	Yes	No
Read and write project files to the external database server for concurrent project use.	Yes	Yes	No
Use standard IT industry practice for daily backups.	Yes	Yes	Yes
System Overview displays installed GPUs and RED Rockets.	Yes	Yes	Yes

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Project Grading Flexibility and Relinking	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
All grading metadata is linked to source clips so you can grade multiple EDLs at the same time.	Yes	Yes	Yes
Grade the same project on multiple systems from the same source material and metadata.	Yes	Yes	Yes
Project data can be moved from MacBook Pro, to MacPro to Linux and back for session flexibility.	Yes	Yes	Yes
Start on-set with dailies or preview grades, move them to the studio for finishing.	Yes	Yes	Yes
Grade clips in timeline even with missing clips, insert them anytime without loss of work.	Yes	Yes	Yes
Grade in real time on the clustered GPU systems then save project to render on low cost system.	Yes	Yes	1 GPU

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Dailies Metadata and Audio Sync Toolset	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Supports 100+ production metadata fields for entering on-set shot notes.	Yes	Yes	Yes
Modify and add metadata while syncing dual system audio.	Yes	Yes	Yes
User definable metadata preset list.	Yes	Yes	Yes
Media Pool metadata fields include shot, scene, take and camera roll.	Yes	Yes	Yes
Modify and add to multiple clips with multiple metadata fields at the same time.	Yes	Yes	Yes
Add flags to clips for fast and easy location and sorting.	Yes	Yes	Yes

Audio playback support for up to 16 tracks per source clip and PCM audio rendering in both QuickTime

Audio playback support for up to 16 tracks per source clip and PCM audio rendering in both QuickTime and MXF. | Yes | Yes | Yes

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Audio playback support for up to 16 tracks per source clip and PCM audio rendering in both QuickTime and MXF.	Yes	Yes	Yes
Dual-system audio auto-sync via timecode to automatically match multiple video clips.	Yes	Yes	Yes
High precision dual-scale audio waveform display in source viewer.	Yes	Yes	Yes
Playback of BWF and embedded audio clips with audio waveform display.	Yes	Yes	Yes
16 channel audio meters with selectable dB and dBu scale.	Yes	Yes	Yes
User-selectable reference alignment levels for dBu scale.	Yes	Yes	Yes

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Remote Grading

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Remote grading of projects between systems with a low bandwidth internet connection.	Yes	Yes	No
Connect Mac to Mac or Mac to Linux with the same software version.	Yes	Yes	No
Use high resolution images at the master and proxy at the slave.	Yes	Yes	No
Full remote grading control including grab/select/delete stills and hide/show window cursors.	Yes	Yes	No

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Project Settings Management

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
User configuration parameters saved per project.	Yes	Yes	Yes
Instantly switch between multiple preset configuration.	Yes	Yes	Yes
Configure project templates including resolution, aspect ratio, bit depth and playback speed.	Yes	Yes	Yes
Separate Timeline and Conform settings for maximum flexibility.	Yes	Yes	Yes
Configure monitoring color space, format, matrix and synchronization.	Yes	Yes	Yes
Optimised display mode option for playback.	Yes	Yes	Yes
Half and quarter resolution debayer options for low GPU powered systems.	Yes	Yes	Yes
Separate debayer and image sizing options play vs. stop for low GPU powered systems.	Yes	Yes	Yes
Unique version name preset to speed addition of graded versions.	Yes	Yes	Yes
Control deck I/O parameters including pre-roll and timing synchronization.	Yes	Yes	Yes
Automatic backup of projects with user selectable duration between saves.	Yes	Yes	Yes

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MEDIA

Real Time Mixed Image and File Support

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Supports mix of image formats and resolutions on the same timeline at the same time.	Yes	Yes	Yes
Automatic optical quality input image reformatting to timeline resolution and image size in real time.	Yes	Yes	Yes
Supports mixed pixel aspect ratio on the same timeline at the same time.	Yes	Yes	Yes
Clip based Auto, Video or Data level selection.	Yes	Yes	Yes
Change pixel aspect ratio for multiple clips.	Yes	Yes	Yes
Supports real time Cinemascope conversion/monitoring/grading.	Yes	Yes	Yes

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Audio Playback Support

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Playback and render embedded audio from video clips.	Yes	Yes	Yes
Playback AIFF or WAV audio files with timeline.	Yes	Yes	Yes
Import, play and export up to 16 channels of audio.	Yes	Yes	Yes
Supports 48Khz audio sampling precision.	Yes	Yes	Yes
Click and slip sync mouse control with visual display of audio waveform.	Yes	Yes	Yes
Supports sub sample audio sync control.	Yes	Yes	Yes
Supports LTC timecode chase for external audio decks.	Yes	Yes	Yes

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Media File Flexibility

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
	Browse and select clips in the Media Library with resizable and scrubbable thumbnail or list view.	Yes	Yes	Yes
New	Media Pool thumbnail clip detail popup now displays clip frame rate.	Yes	Yes	Yes
New	Split Clip operation automatically moves the focus to the newly created clip.	Yes	Yes	Yes
New	Generation of subclips within the media pool.	Yes	Yes	Yes
	Ability to add clips from folder and sub-folders to Media Pool with matching bin names automatically created.	Yes	Yes	Yes

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Sort and search folders and clips.	Yes	Yes	Yes
Hover over clip to reveal metadata.	Yes	Yes	Yes
Embedded audio icon indicates clips with audio.	Yes	Yes	Yes
Drag and drop clips from library to bins and between bins.	Yes	Yes	Yes
Clip details metadata display for instant view of source clip format and image type.	Yes	Yes	Yes
Media Pool list view displays in and out timecodes, frame counts, clip name and path, LUT's, IDT, Aspect Ratio, video/data level, frame rate, and audio channels.	Yes	Yes	Yes
Search for clips and add to Media Pool based on EDL.	Yes	Yes	Yes
Search for sub clips and add to Media Pool based on EDL.	Yes	Yes	Yes
Integrated clip task manager for clip conversion and copies.	Yes	Yes	Yes
Convert non real time file formats to DPX for grading.	Yes	Yes	Yes
Copy and manage both DPX sequences and clips.	Yes	Yes	Yes
Copy and manage image files from near-line to online SAN storage.	Yes	Yes	Yes
Create and delete folders, files and bins.	Yes	Yes	Yes
Re-name files and bins.	Yes	Yes	Yes
Sort files in virtual bins.	Yes	Yes	Yes
Search and re-link replacement clips to new parent folders.	Yes	Yes	Yes
Change timecode and rewrite header.	Yes	Yes	Yes
Soft offset of source timecode.	Yes	Yes	Yes
Clip task manager status display to manage SAN I/O.	Yes	Yes	Yes

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Clone Tool

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
New	Clone tool for SD Cards, SSDs, disk drives and folders.	Yes	Yes	Yes
New	Clone to single or multiple destinations	Yes	Yes	Yes
New	All clones include Checksum report for 100% confidence in clone.	Yes	Yes	Yes

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Clip Metadata Management

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
	Metadata management toolset maintains links to selected clips.	Yes	Yes	Yes
	Edit a single clip or multiple concurrently.	Yes	Yes	Yes
New	New reveal or hide clip metadata window option.	Yes	Yes	Yes

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Native File Formats Supported

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
	Native ProRes read and write support.	Yes	Yes	N/A
	H.264, Uncompressed RGB and YUV QuickTime.	Yes	Yes	Yes
	Uncompressed YUV MXF 8 and 10 bit.	Yes	Yes	Yes
New	DPX (inc 12 bit), Cineon and TIFF.	Yes	Yes	Yes
New	Multiple layer OpenEXR support.	Yes	Yes	Yes
	Compressed and uncompressed OpenEXR.	Yes	Yes	Yes
New	Decoding of Panasonic MTS video.	Yes	Yes	Yes
	MPEG4 Video, Sony SStP MPEG4 and Sony XDCAM (QT).	Yes	Yes	Yes
	JPEG, HDV, DVCPRO, DVCPROHD and DV.	Yes	Yes	Yes
	MXF OP1A audio encoding.	Yes	Yes	Yes
	HQX and HQ Quicktime decoding and encoding with no charge codec from Edius.	Mac OS X Yes Windows Yes Linux No	Mac OS X Yes Windows Yes Linux No	Mac OS X Yes Windows Yes Linux No
	Avid DNxHD file format support in MXF and Quicktime format.	Yes	Yes	Yes
	Format support for PNG and PSD frames.	Yes	Yes	Yes
	Format conversion for non native files to DPX from: JPEG, XPM, PPM and BMP.	Yes	Yes	Yes

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Camera Codec Support

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
	BMCC CinemaDNG Raw and compressed Raw.	Yes	Yes	Yes
	Ikonoskope and Aaton; CinemaDNG Raw.	Yes	Yes	Yes
	Alexa ARRI Raw .ari files including v3 color science.	Yes	Yes	Yes
	Canon 5D and 7D; H.264 files.	Yes	Yes	Yes
	Canon C300 & C500 files.	Yes	Yes	Yes

		DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
	Cineform; QT files.	Yes	Yes	Yes
	Cineform stereo; QT files.	Yes	Yes	No
	SI-2K; Cineform QT files.	Yes	Yes	Yes
	RED One; R3D files including RED color3 and REDgamma2 with real time full premium de-bayer.	Yes	Yes	Yes
	RED EPIC; R3D files including 5K and HDRx.	Yes	Yes	Yes
	RED Dragon; R3D files including 6K.	Yes	Yes	Yes
	Sony F65 Raw and SStP.	Yes	Yes	Yes
	Sony F55 Raw and XAVC.	Yes	Yes	Yes
	Sony F5 XAVC.	Yes	Yes	Yes
New	Vision Research, Phantom; .cine files and Flex4K GPU debayer with Automatic dead pixel concealment.	Yes	Yes	Yes
	Image decoder settings use camera files metadata.	Yes	Yes	Yes

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Media Storage Flexibility

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Supports Mac OS Extended file system.	Mac OS X Yes Windows No Linux No	Mac OS X Yes Windows No	Mac OS X Yes Windows No
Supports Quantum StorNext file system.	Yes	Yes	Yes
Supports SGI CXFS file system.	Mac OS X Yes Windows No Linux Yes	Mac OS X Yes Windows No	No
Direct access to storage area network (SAN) - no need to copy images to local storage.	Yes	Yes	Yes
Direct external drive mount to system, play, grade and render without coping to the local storage.	Yes	Yes	Yes
Hot mount of external drive to Mac OS X.	Mac OS X Yes Windows No Linux No	Mac OS X Yes Windows No	Mac OS X Yes Windows No Linux No
Multiple suites can share the same images, EDLs and projects without compromising speed.	Yes	Yes	Yes
Browse clips directly from the SAN in real time.	Yes	Yes	Yes
Includes a file system speed benchmark tool.	Yes	Yes	Yes
Includes a clip based speed benchmark tool.	Yes	Yes	Yes
User customisable path for proxy, cache and gallery stills.	Yes	Yes	Yes

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Proxy Generation

	DaVinci Resolve	DaVinci Resolve	DaVinci Resolve Lite

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Integrated high quality proxy generator.	Yes	Yes	Yes
Real time on-the-fly high quality proxy generation without disk cache.	Yes	Yes	Yes
Pre generate proxies for grading render and output.	Yes	Yes	Yes
All grades applied to proxy are automatically linked to the high res image.	Yes	Yes	UHD Limit
Proxy windows and mattes are automatically resized to the high res image.	Yes	Yes	UHD Limit

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Supported Video Formats

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
4K2160p 23.98, 4K2160p 24, 4K2160p 25, 4K2160p 29.97 and 4K2160p 30.	Yes	Yes	UHD Limit
4K DCI 23.98, 4K DCI 24, 4K DCI 25.	Yes	Yes	UHD Limit
2K 1080psF 23.98 and 1080psF 24.	Yes	Yes	UHD Limit
2K 1556psF 23.98, 1556psF 24 and 1556psF 25.	Yes	Yes	UHD Limit
HD 1080psF 23.94, 1080psF 24 and 1080psF 25.	Yes	Yes	UHD Limit
HD 1080p 23.94, 1080p 24, 1080p 25, 1080p 29.97, 1080p 30, 1080p 50, 1080p 59.94 and 1080p 60.	Yes	Yes	Yes
HD 1080i 50, 1080i 59.94 and 1080i 60.	Yes	Yes	Yes
HD 720p50, 720p 59.94 and 720p 60.	Yes	Yes	Yes
PAL 625/25.	Yes	Yes	Yes
NTSC 525/29.97.	Yes	Yes	Yes
All video I/O formats up to 2K support 4:2:2 YUV and 4:4:4 RGB color space.	Yes	Yes	UHD Limit
All video RGB formats support single link 3Gb/s or dual link HD-SDI.	Yes	Yes	Yes
Selectable application of 3:2 pulldown for 30/60Hz formats.	Yes	Yes	Yes
New — Broadcast Safe out of limit display and soft clip level selection.	Yes	Yes	Yes

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DELIVERY

Deliver

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Dedicated Deliver page for configuration, generating and monitoring renders.	Yes	Yes	Yes

New	Timeline viewable in Edit or Color page configuration.	Yes	Yes	Yes
New	Expanded render queue for clearer display of render jobs.	Yes	Yes	Yes
New	Render settings refined into standard, intermediate and advanced lists to speed selection.	Yes	Yes	Yes
	Save and recall user configurable easy setups.	Yes	Yes	Yes
	Render individual source clips, one single clip or sort and filter by flags.	Yes	Yes	Yes
	User configurable render resolutions and frame rate.	Yes	Yes	UHD Limit
New	Render source clips at source resolution option.	Yes	Yes	UHD Limit
	Audio VU meters with dBu and VU range selection.	Yes	Yes	Yes
	Concurrent rendering with multiple output formats for faster than real time dailies rendering.	Yes	Yes	UHD Limit
	Render dpx, cineon, tiff, EXR, Quicktime or MXF formats in real time to disk. (subject to hardware configuration)	Yes	Yes	UHD Limit
	Render codecs include, ProRes, DNxHD, Sony SStP, XDCAM, compressed and uncompressed EXR, and 16 bit half float DPX.	Yes	Yes	UHD Limit
	Render 16 bit DCI compliant TIFF files.	Yes	Yes	Yes
	Render timeline with either Auto, Video or Data level selection.	Yes	Yes	Yes
	Render the timeline, a selected range or individual clip.	Yes	Yes	Yes
	Render the current or all graded versions.	Yes	Yes	Yes
	Render with forced highest quality resizing.	Yes	Yes	Yes
	Render with forced highest quality debayer.	Yes	Yes	Yes
	Render files to any folder and any volume on SAN.	Yes	Yes	Yes
	Render clips with source or record timecode.	Yes	Yes	Yes
	Render clips with unique file name.	Yes	Yes	Yes
	Render clips with or without sizing.	Yes	Yes	Yes
	Render clips rendered with or without color correction.	Yes	Yes	Yes
	Render source clips with speed changes including negative speed changes.	Yes	Yes	Yes
	Render sources clip with user defined handles.	Yes	Yes	Yes
	Render source clips with clip based Data Burn-ins.	Yes	Yes	Yes
	Render timeline with track based Data Burn-ins.	Yes	Yes	Yes
	Render Cineform.mov with Cineform encoding license.	Mac OS X Yes Windows Yes Linux No	Mac OS X Yes Windows Yes Linux No	Mac OS X Yes Windows Yes Linux No
New	Render HQX.mov with Edius encoding license.	Mac OS X Yes Windows Yes Linux No	Mac OS X Yes Windows Yes Linux No	Mac OS X Yes Windows Yes Linux No

	Render batch queue displays job status.	Yes	Yes	Yes
	Render with job version name for fast job review.	Yes	Yes	Yes
	Monitor the render process, speed and available storage.	Yes	Yes	Yes

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Commercial Workflow Render Toolset	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Render graded clips with commercial workflow to export to other systems.	Yes	Yes	Yes
Render clips to different directories with source timecode.	Yes	Yes	Yes
Render versions with logical timecode offsets.	Yes	Yes	Yes
Render reels and clips with automatic folder management.	Yes	Yes	Yes
Render folder path with version name.	Yes	Yes	Yes

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Advanced Render Toolset	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Rendered clip prefix and suffix render tags.	Yes	Yes	Yes
Rendered file path with prefix and suffix tags.	Yes	Yes	Yes
Render tags include: event, version, clip index, Media Pool Folder, stereo session and reel number.	Yes	Yes	Yes
Preserve source directory level control when rendering clips.	Yes	Yes	Yes
Batch render for multiple job processing, queue in one suite render in another.	Yes	Yes	Yes
Stereo mesh or each eye render selections.	Yes	Yes	No
Selectable number of digits in the clip name.	Yes	Yes	Yes
Selectable clip name prefix and suffix.	Yes	Yes	Yes
Manage render speed for slow storage systems.	Yes	Yes	Yes

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Deck Ingest and Playout	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Full deck control and image monitoring.	Yes	Yes	Yes

	Real time capture and playout.	Yes	Yes	Yes
	Stereoscopic 3D image capture and playout.	Yes	Yes	No
	Batch capture and playout with user configurable handles.	Yes	Yes	Yes
	Capture directly to storage to any folder or volume as .dpx files in real time.	Yes	Yes	Yes
	Insert and Assemble edit control.	Yes	Yes	Yes
	Ingest or playout audio from separate file.	Yes	Yes	Yes
	Record to tape with source or record timecode.	Yes	Yes	Yes
	Auto jam sync timecodes for continuous recording.	Yes	Yes	Yes

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Digital Cinema Package Toolset	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Render JPEG 2000 for Digital Cinema Package.	Yes	Yes	Yes
Render Digital Cinema Package with third party EasyDCP integration.	Mac OS X Yes Windows Yes Linux No	Mac OS X Yes Windows Yes Linux No	Yes
Supports 'Content Kind' in naming and metadata.	Yes	Yes	Yes
Includes bitrate control for easyDCP renders.	Yes	Yes	Yes
Additional DCI XYZ timeline colorspace option for JPEG2000 and easyDCP clips.	Yes	Yes	Yes

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Deck Workflow	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Multi-version deliverables from a single master as each render uses source images for resize.	Yes	Yes	Yes
Layoff deliverables to tape in source mode with user defined handles and source timecode.	Yes	Yes	Yes
Automatically replace a single re-graded shot on tape.	Yes	Yes	Yes
Versions of grades laid on tape in timecode order.	Yes	Yes	Yes
Re-stripe timecode header as required.	Yes	Yes	Yes
Auto black filler for short source clips.	Yes	Yes	Yes
Logical offsets for easy version management.	Yes	Yes	Yes
User selectable color space conversions from video range to data and back.	Yes	Yes	Yes
Capture with or without audio and VITC.	Yes	Yes	Yes

	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Supports 3:2 pull-down and pull-up.	Yes	Yes	Yes

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CONTROL

DaVinci Resolve Control Surface	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
High quality control panel look and finish.	Yes	No	No
100+ hot keys for immediate and responsive feature selection.	Yes	No	No
Provides creative grading control with instant user feedback.	Yes	No	No
Optical precision super smooth Lift, Gamma and Gain trackballs.	Yes	No	No
Optical precision master rings.	Yes	No	No
Five high resolution LCD screens with soft menus.	Yes	No	No
30 soft keys for fast and seamless menu control.	Yes	No	No
32 soft knobs with display for concurrent multiple trims of grades.	Yes	No	No
Direct control of ARRI and RED camera decoder settings.	Yes	No	No
Direct six vector curve and RGB mixer controls.	Yes	No	No
Direct Noise Reduction controls.	Yes	No	No
Integrated pull-out Qwerty keyboard.	Yes	No	No
Full transport controls including Jog and Shuttle knob.	Yes	No	No
Direct VTR transport controls.	Yes	No	No
T-Bar for wipe control for still to grade comparison.	Yes	No	No
Customizable panel display and key brightness settings saved per project.	Yes	No	No
Customizable panel key color settings saved per project.	Yes	No	No
Trackball and knob sensitivity settings saved per project.	Yes	No	No
Fourth trackball for Offest, cursor and window positioning.	Yes	No	No
Direct key selection of memories.	Yes	No	No
One key to grab stills.	Yes	No	No
One key to play stills.	Yes	No	No
Powerful shift up and shift down qualifier keys.	Yes	No	No
Separate left and right panel permits position to user preference.	Yes	No	No

Separate left and right panel permits position to user preference.

| | Yes | No | No |

DaVinci Resolve Control Surface connects by simple USB 2 cable. Supports USB 2 extenders.

| | Yes | No | No |

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Multiple Panel Support	DaVinci Resolve	DaVinci Resolve Software	DaVinci Resolve Lite
Fully supports DaVinci Resolve Control Surface.	Yes	Yes	No
Supports Tangent Devices 'Wave' and 'Elements', JL Cooper 'Eclipse' and Avid 'Artist Color' control panels.	Mac OS X Yes Windows Yes Linux No	Yes	Yes
Supports mouse or pen and tablet operation.	Yes	Yes	Yes

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