



VivoQuant™ 6.0.1

Release Notes

VivoQuant Team

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For more information, please contact info@invicro.com, Invicro Support at support@invicro.com, or Invicro Sales at sales@invicro.com. For questions related to VQ-4638 detailed in these notes, please contact: vq_support@perceptive.com We look forward to your continued feedback and we thank everyone who has contributed through requests and reports.

The following features are part of the release.

Features

Reference	Title
VQ-3510	Improve clarity of the Spline Tool UI and User Manual for it
VQ-4292	[VQ 6.0] DESIGN: Improve clarity of the Frame Time editor User Interface
VQ-4395	Sequence tags added to restricted tags cfg should block editing of all child content
VQ-4413	[VQ 6.0] VivoQuant 5 to 6 settings migration
VQ-4584	ServiceReporter should gather settings in .ini format
VQ-4639	Make VQ license link work on startup
VQ-4761	3D ROI: Paintbrush Hotkey
VQ-4781	Fix AT Registration-ROI
VQ-4804	VTK Orthographic Perspective
VQ-4881	Add JPEG Decompression support for JPLS
VQ-4918	Classic bed removal - show messages to user when no images or no CT images are loaded
VQ-5166	Allow reorienting the Study Browser tree around a different column (other than PatientsName)

Reference	Title
VQ-5156	Data Browser: Improve existing feature discoverability with clean-up of the DICOM repository UI
VQ-5142	Improve Study's Browser Flattened table: by doing more to "help with Recency – Improve Study Date filter
VQ-5124	Add a cancellable progress bar to the Data Browser iPACS DICOM dump
VQ-5122	Adjust MIP camera position with sliders
VQ-5103	Data Browser UI: Repository Section Overhaul
VQ-5086	Allow filtering local repository folders
VQ-5069	Address the case of not yet loaded data
VQ-5059	Reduce Save Image/Movie options by pulling out Secondary Capture
VQ-5050	Simplify Saving Data from VQ (Save Image & Save Movie Dialog UI)
VQ-5000	Save a DICOM to the disk without a local repo
VQ-4991	Add menu option to access the log file from VQ
VQ-4973	User Private Tags for Custom Labels
VQ-4962	Add Keyboard shortcut to view ROIs as outlines
VQ-4961	Provide 3D camera position orientation affordances (UI + Hotkey)
VQ-4960	Provide Users with access to Pixel Size of saved out Images

Reference	Title
VQ-4948	Remove custome save fields from the GUI
VQ-4934	Use enums on QSliceViewControl comments
VQ-4845	Hide options when Save current timepoint is selected
VQ-4841	Shift+Hotkey for Variable Operator/Tools Increments
VQ-4811	Give the user more flexibility in Crosshair information viewing tooltip
VQ-4810	Improve Automatic Min/Max Optimization for Initial Dataset Visualization
VQ-4809	Streamline Access to Saving Data Operations from VQ (Navigation, Dialog, Labels, UI)
VQ-4763	Hotkeys to pick/select Slice View Display Layout Options
VQ-4762	3D view: Hotkey to Re-render the VTK (3D view)
VQ-4760	Improved Adaptibility for High Display Scalling and Resized Panels
VQ-4758	Data Browser UI: Enhanced datasource/repository search
VQ-4757	Data Browser UI: Add "Favorites" to datasources / repositories
VQ-4585	Console Widget for Lightweight Command-Line Imperative Mode

The following bug fixes are part of the release.

Bugs

Reference	Title
VQ-822	Brain Atlas: Header of first input is applied to all inputs
VQ-3569	MIP Control - visual anomalies / clipping wackiness
VQ-3764	VTK Viewer: MIP not rendered under certain perspectives
VQ-3996	Brain atlas wizard dialog doesn't switch themes properly
VQ-4004	Hang on macOS when loading images with GPU MIP renderer active on Apple Silicon
VQ-4026	Brain Atlas dialog resizes badly
VQ-4204	MIP: Difficult to find 3D corner label option
VQ-4244	DICOM Editor: Not adding derivations when edits are performed
VQ-4247	Needlessly resampling all data because of precision issue
VQ-4352	DICOM Editor - Caching of last loaded DICOM will not show up to date values
VQ-4427	Ubuntu - Scrolling through slices jumps from first instance to last
VQ-4565	VQ - Genentech reports VQ 5.3 is "laggy" and "slow" on mac but 5.2 is not with same datasets.
VQ-4575	DICOM Loader Memory Leak on Pixel Data Loading Error
VQ-4597	DICOM loader doesn't not support loading a mix of DICOM files

Reference	Title
VQ-4632	VQ intermittent communication with Mediso DICOM server
VQ-4643	Default DICOM save out mode linked to last used
VQ-4648	Clearing SOPClassUID on DICOM save
VQ-4665	3D ROI plotting tool differences in new VQ Versions
VQ-4672	Pipes context deadline error
VQ-4685	Volumetric Cortical Thickness (VCT) Pipeline Issue Handling Data for Ionis 373 Subjects 2681-S002 and 2681-S003 Days 1261
VQ-4695	Co registration issues
VQ-4698	Fix Brain Atlas dialog behaviors (expanded)
VQ-4716	Fix up VQ close down logic
VQ-4717	Fix Brain Atlas shut down
VQ-4722	Fix Qt6 Windows system dark mode
VQ-4732	VQ crashes if MainWin is created and the script does not finish correctly
VQ-4742	VQ Crash in Ubuntu 24: OpenGL issue with VTK when MIP is enabled
VQ-4785	Fix QFontDatabase warning
VQ-4790	Address VTK Warnings
VQ-4805	Using the trackpad on macOS in slice views causes VQ to hang on close

Reference	Title
VQ-4812	Ensure preview and save plots behave consistently
VQ-4820	VQ freezes for sometime when 1st time Ray projection Mode changes to Composite Gradient and Computation Hardware changes CPU
VQ-4821	Regression DICOM Header Editor search fields names missing
VQ-4827	Fix the handling of the iPACS URL location for Brain Atlas (part 2)
VQ-4829	Printer initialization delays app startup
VQ-4835	Regression Scroll benchmark
VQ-4836	Regression ROI benchmarks
VQ-4851	Slice view tooltip display is incorrect
VQ-4852	Crash enabling MIP without data loaded (Windows)
VQ-4859	Right-click drag on Slice View does not update palette in Data Manager
VQ-4860	Fix Brain Atlas Ats
VQ-4861	VivoScript: Canceling a suspend script will error out (regression)
VQ-4890	Enable/Disable VTK Mac
VQ-4891	Fix AT scaling issue
VQ-4895	IPACS Test connection does not close (Regression)
VQ-4896	VQ crash during close when MIP is enable

Reference	Title
VQ-4901	Enable/Disable VTK Linux
VQ-4910	Fix the Data Manager setDesc behaviors
VQ-4914	Crash when change between Multi View and Tile View
VQ-4931	License not migrated on initial launch of VQ6
VQ-5164	Unable to save repository will favorite the root project if favorited before
VQ-5162	Redefined repository will favorite the root project if favorited before
VQ-5151	Favourite Section doesn't disappear after editing repository
VQ-5149	Investigate why LDAP is not prompting for the 2FA 6 digit code (iPACS repos)
VQ-5137	MIP Control/VTK: Custom Movement Spline Issues
VQ-5111	The shortcut for resetting the view transform is wrong and not tied to the QT action
VQ-5109	MIP camera position no longer updates the current position field in MIP control custom movement
VQ-5104	Include last log file in service report when crash detected
VQ-5094	MIP display differences between 5.4.3 and 6.0.0
VQ-5087	Fix/bring back local repository subdirectory option
VQ-5078	Operator pulldown is enabled when no data is loaded
VQ-5013	Cannot save sessions using the default path

Reference	Title
VQ-4994	Bed removal memory leak
VQ-4954	MIP activation difficult rotation (on Mac using trackpad)
VQ-4301	Downloading IPACS progress bar has incorrect bounds
VQ-5200	All separately option is not valid for saving movie with Time series
VQ-5201	VQ Installer, continue on iPACS-sync download failure

The following changes are part of the release.

VQS API Changes

Reference	Title
VQ-5011	Member VTKController::setCameraSplineMovement (QList< Variant > locations, bool closeSpline=true) Use the other overload and pass values as doubles explicitly