



# VivoQuant™ 5.3

Release Notes

## **VivoQuant Team**

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**The following user stories/features are part of the release.**

## Enhancements

Reference	Title
Epic: VQ-4047	Licensing Loopholes and VQLM improvements
VQ-3406	Provide VQ Upgrade Prompt Only to Licensed Users who are in Active Service Contract
VQ-4049	Add VQ License Manager to modern source control
VQ-4051	Update the language in the UNREGISTERED and Licensing Tab of Configuration Modals
Epic: VQ-4216	Small Enhancements
VQ-3719	Ensure DicomBrowser starts up in VQ's current monitor (location)
VQ-4219	DICOM TM format readings are not backward compatibility in VQ
Epic: VQ-4021	Improve Support for Dynamic Image Data holistically
VQ-4062	Clarified VQ Dynamic Image Data handling
VQ-4144	Clarified DICOM Spec interpretation
VQ-4236	Track/Add Restricted DICOM tags through Dynamic Data improvements
VQ-4022	Dynamic Data loading performance

Reference	Title
VQ-4258	Provide More flexibility in Saving Dynamic Data as Single DICOM
VQ-4357	Dynamic Data scrolling performance
VQ-4358	Dynamic Data cropping performance
Epic: VQ-4007	Image Label Improvements: 3D
VQ-3416	Polished Image Outputs (Part 2 of 5.0 Implementation)
VQ-4008	Extend Image Label Capabilities to work on MIPS
VQ-4064	Inform the user WHEN VTK Corner annotation decluttering has been turned on

## The following Bugs have been addressed in the release.

### Bugs

Reference	Title
VQ-3198	Frame times being removed from Molecubes dynamic enhanced PET data saved in Multi-Frame (MF Functional Groups) dicom format
VQ-3207	Large collapsed dynamic datasets failing to write to disk
VQ-3494	Siemens Diffusion B Value support (regression)
VQ-4225	Dynamic Data: Collapsed Data does not save out to slices correctly
VQ-4231	DICOM Editor: Not supporting edit appending on collapsed data
VQ-4233	Data support: Code for loading big endian appears severely out of date (Investigate)
VQ-4234	VQ interprets Multiple multi-frame datasets loaded together interpreted as dynamic data
VQ-4271	Dynamic tags not populating in data loaded from slices
VQ-4277	Data doesn't load as dynamic data in VQ
VQ-4288	Dynamic Data - Add code to try and reverse the non-compliant data VQ has been saving out
VQ-4295	Dynamic Data - Crash if loading a subset of the single slice files
VQ-4299	Remove ProvisionalSOPInstanceUID framework
VQ-4331	Merge Data: Switch to SharedFunctionGroupSequence

Reference	Title
VQ-4362	Missing ROIs for single frame stored images
VQ-4367	Edit DICOM header option in Data Manager is not working
VQ-4050	VQ - remove floating license option from registration menu
VQ-4136	Static License: Demo license not automatically found
VQ-4273	Download failed message received when downloading update on macOS
VQ-3436	VQ Submit Data Error 5
VQ-4143	VQ Crash trying to edit a non-existing ROI
VQ-4322	VQ Crash during resample data
VQ-4303	VQ Crash when cropping an image
VQ-3545	Projection Operator: Hot Key Help Documentation Incorrect
VQ-4162	VTK Viewer: Line Annotation text not following text disabled button state
VQ-4167	Save Movie - Clicking abort will still pop up a successfully saved message.
VQ-4188	VTK Viewer: Circle, Rectangle, Point Annotation text not following text disabled button state
VQ-4202	File Output tab has the `*` annotations in tokens list but lacks the explanatory help text
VQ-4228	3D corner labels not working for few fonts

Reference	Title
VQ-4240	MIP Controller window blank
VQ-4314	Fix up - Data Manager Text Configuration
VQ-4229	VQ dynamic MR bug
VQ-4272	Frame Time Editor only supporting minutes for durations
VQ-4278	Frame Time Editor shows different data for collapsed and non-collapsed data
VQ-4291	Time Series Operator - Discard saving frames of 0 duration
VQ-3942	Data Browser: Fix Auto-Start Reconstruction behavior
VQ-4251	VQ - Retain existing ROIs when running the Brain Atlas
VQ-4307	Ensure the Voxel-wise Mask Option scope the model calculations to the selected ROI for the mask
VQ-4318	Help Users understand if loaded data is missing values that prevent upload to iPACS (VQ shows error while saving dynamic data to iPACS).
VQ-4361	Image ids needs to be checked during uploading from IPACS
VQ-4462	Correct minor mis-categorization and Fix small typo in the Manual (on the new file format page)
VQ-4472	Wrong text in warning message for expired service contract updates check
VQ-4447	DICOM tag values shows blank when saved dynamic data session is loaded back in VQ

Reference	Title
VQ-4445	Uploading Dynamic data to VQ from local disk throw error
VQ-4442	Values edited on DICOM editor doesn't reflect in data manager
VQ-4441	Fix FrameReferenceTime Decimal String (DS) to Integer conversion failure
VQ-4438	Dynamic Data - IMG/HDR Missing Tags on Reload of MF Group Save (Regression)
VQ-4431	VQ exits by saving a large set of dynamic data due memory allocation error
VQ-4430	Changing Font style and Size is not reflected in first view after clicking on APPLY button
VQ-4386	Single-Precision floating point is not displayed in MIP view correctly
VQ-4321	Merging of MR data not hooked up properly
VQ-4320	VQ not fully supporting FrameReferenceTime for discerning timepoints (Genentech)
VQ-4316	Layers in RMHA are not well displayed when import file is done (only for layers > 1)
VQ-4264	Dynamic data: No support 1 Timepoint (many issues, loading, proper tags, saving)



## The following issues were made known in the release.

### Known Issues

Reference	Title
VQ-4242	VQ license file is overwritten and then immediately deleted after adding to the blacklist
VQ-4428	MIP - Save Movie -Two different options to save movie are displayed and saved file does not have correct content
VQ-4457	Dynamic tag values doesn't load in VQ for non-collapsed Single Frame (one Z slice per file) data- Name/ordering issue
VQ-4503	<p>Fix organization domain usage to maintain Invicro settings on macOS</p> <p><b>Note:</b> this issue was discovered after the release of the software. When 5.3.0 installs it behaves as a fresh installation with respect to user settings. If you have settings from VivoQuant 5.2.0 that you want to have restored in 5.3.0 you can open the Mac terminal and issue the following commands:</p> <pre>defaults export com.invicro.VivoQuant - &gt; old.xml cat old.xml   defaults import com.perceptive.VivoQuant -</pre> <p>The commands copy the old settings into an xml file and then reimport it into the new settings under the org name that's new in 5.3.0.</p>
VQ-4601	<p>The new available version dialog is displayed in non-interactive mode.</p> <p>Note: this issue was discovered after the release of 5.4 software version.</p>