

Release Notes: VivoQuant 2022

Release Date: Tuesday, 7 March 2023

This VivoQuant 2022 release introduces many enhancements to existing features as well as new modules to support analysis and workflows. This release also addresses a series of bugs and issues from previous releases.

For more information, please contact info@invicro.com, Invicro Support at support@invicro.com, or Invicro Sales at sales@invicro.com. We look forward to your continued feedback and we thank everyone who has contributed through requests and reports.

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Enhancements

The following enhancements are part of the VivoQuant 2022 release:

VQ-1655	3D ROI: Allow different radius and height for cylinder ROIs
VQ-2020	VQS: Added function to change pen width for drawing annotations
VQ-2352	Video: Support h264 video format export
VQ-2451	Dark Mode: Palette update
VQ-2453	Dark Mode: Update icon set
VQ-1446	Data: Load SPECT images that don't have units without VQ automatically changing the units to kBq
VQ-2135	VQS Documentation: Add links to class pages for functions that return a VQS object
VQ-2583	General documentation updates
VQ-1665	eCRF: Remove the obsolete standalone menu to open or create eCRF form not attached to any tasks.
VQ-1513	Dependency: Upgrade to Qt 5.15
VQ-2244	ROI: Serialize Multi-Frame RTSTRUCT to disk
VQ-2245	ROI: Serialize RTSTRUCT to iPACS
VQ-2043	ROI: Load RTSTRUCT exported files as ROI
VQ-2538	ROI: Load RTSTRUCT from Dicom Browser
VQ-1514	Dependency: Upgrade Windows compiler to VS2019
VQ-1532	Dependency: Upgrade to OpenSSL 1.1.1
VQ-1533	Dependency: Upgrade to ImageMagick 7
VQ-2004	Worklist Tool: Deprecate scriptOpenECRF function
VQ-2159	VQS: Allow cacheDir setting to expand environment variables
VQ-1450	Add timestamp in VQ logs
VQ-1525	Config: Add settings for ROI re-sampling
VQ-1540	VQS: Add a function to get OS in VQS
VQ-2120	VQS: Add function to change activate VTK Viewer active tab data
VQ-2287	VQS: Open a file externally from VQ
VQ-2407	Floating License: Add support for a floating license
VQ-2433	Floating License: Add support for heartbeat tracker
VQ-2444	Floating License: Add support for entitlements

Bug Fixes

The following bugs have been addressed:

VQ-2008	UpdateManager: Prompt for new downloads for build is not working
VQ-2494	RTSTRUCT: Saving an ROI as .dcm and loading it back produces an ROI that is too small
VQ-2889	Documentation: PDF Manual does not open
VQ-2721	'TempFolder' option is not available as repository when trying to store a DICOM file.
VQ-2485	TileView is not working in VQ 2020 and 2021
VQ-2427	Registration: Co-registration alignment issue
VQ-2418	Worklist Tool: VQ crashed in Unregistered mode
VQ-2338	MIP: Viewer crashes with user data

VQ-2337	Crash during VQ shutdown after running more than one modeling operator
VQ-2331	VQS: Function loadSession in VQ scripts fails to extract the session before attempting to load
VQ-2101	Update check option needs to be visible in all VQ builds
VQ-2055	VTK Viewer: Choosing Composite-Gradient for Ray Projection Mode initializes the Gradient Opacity Ramp with the wrong values
VQ-2054	Sessions: VQ's not saving sessions with long file names
VQ-2018	VQS: Function deleteROIs() has an incorrect behavior on Linux (Ubuntu)
VQ-2015	Data: PET/CT image display issue in VQ2021
VQ-1492	Data: Crash when loading a 4D Phillips DICOM file
VQ-865	Data: Crash when "Fetch all meta-data" button is clicked if no repository is chosen on MacOS.
VQ-75	Data: Bruker data loaded as non-collapsed format will generate both EchoTime and EffectiveEchoTime in header
VQ-2064	Data: Non-valid DICOM sequence causing data loading issue with audit trail
VQ-2701	No logo is displayed after Open VQ
VQ-2428	Data: Update Units tag from RealWorldValueMappingSequence when appropriate
VQ-2326	Data: Dynamic MR data with Temporal Positions load in wrong order if not collapsing dynamic data
VQ-2227	Data: HDR file in VQ using another OS locale different from the original created file get a non-valid Date/time
VQ-2167	RTSTRUCTS throw an error when attempting to open them directly
VQ-2355	Doc: Broken link to manual in service reporter
VQ-1644	Windows start menu shortcuts point to bin folder
VQ-2558	RTSTRUCT: Invalid DCM when saving RTSTRUCTs from a particular image
VQ-2567	RTSTRUCT: ROIs on planar image loads incorrectly
VQ-2273	RTSTRUCT: ROIs imported from an RTSTRUCT are not visible in Contours view
VQ-2066	Update hardcoded path for DicomDB path in Configuration
VQ-1999	Deprecate Help > Logout button does not appear to work or is at least unclear
VQ-2709	Licensing: "About" menu does not show correct license information
VQ-2533	Licensing: VQ crashes when changing a license file when a license key is active
VQ-2530	Licensing: Multiple error dialogs show when an invalid license key is entered in Configuration
VQ-2502	Licensing: Generic error message sent to user when a non-existent license is sent for validation
VQ-2489	Licensing: Error message incorrect when attempting to authenticate when all seats are taken
VQ-2900	Licensing: VQ licensing API requires update from http to https address
VQ-2884	RTSTRUCT: ROI from MIM are missing slices in one dimension
VQ-2859	Update Manager: Handle redirect on last version URL
VQ-2795	Licensing: Not showing precise error message when hitting machine activation limit
VQ-2790	Dependency: VS 2019 redistributable is not installing
VQ-2758	Dark Mode: 'System' color mode in MacOS is not getting the system color mode from the OS.
VQ-2722	Dark Mode: cursor is not properly visible on Vivoscript Evaluation window
VQ-2563	Crash creating RTSTRUCT from this image when not loaded as planar
VQ-2202	RTSTRUCT: some cases are loading cropped
VQ-2084	Height option for cylinder not hiding when selecting 2d only option

Known Issues

VQ-2479	Update check dialog ignore option should mute notifications
VQ-2040	The slice view zoom is incorrect when using a laptop trackpad
VQ-2493	Switching between radiologist/neurologist setting in Tile View shows empty images
VQ-2885	Data: Single Frame time series images loaded as a volume image
VQ-2773	Data: Need to update Enhanced CT per-frame data when saving
VQ-2798	Data: Loading single slice multi-frame MRI DICOM images sometimes fails
VQ-2844	Crash when scrolling in slice views using laptop trackpad on some laptop
VQ-2881	Working header per slice data will lose the original SOPInstanceUIDs if SF image is down sampled
VQ-2916	Dark Mode: Some controls in Min/Max Tool are not updated after changing to Dark Mode on Ubuntu
VQ-2918	Dark Mode: DataManager and Distance/Annotation tool have issues going from Dark Mode to Default