

ProAnalyst 2023 and ProAnalyst Essentials

Version 23.16.12 Release Notes

General Description

This version update contains recent feature enhancements and fixes.

Operating Systems

This version has been tested with Windows 10 and 11 64-bit versions.

Major changes implemented in ProAnalyst 2023

1. The installation system was completely re-written to install the software using Microsoft Software Installer (MSI) packages which are then bundled into a single executable.
2. The licensing was completely re-written to allow for finer customization of the software and to allow cloud licensing options.
3. The version and update system and process were changed so the major version number reflects the year the software was released.
4. Video handling was improved for Windows 10 and 11 OS's.
5. The GUI (icons, dialogs, etc.) was changed modestly. The icon colors are now higher contrast. The dialogs and interfaces aim for 1-2 layers of user interaction to access content instead of content being buried under several layers. Consequently, most of the right-click context menus have been eliminated.
6. All software is signed. Customers should no longer see an "unknown publisher" warning. If the software is unsigned, don't install it.

Detailed Changes from Previous Version

Only affects ProAnalyst Essentials

1. N/A

Affects both ProAnalyst Essentials and 2023

2. BUG: Reports and Presentations, Annotations. The enable and disable button did not alert users when the feature was not licensed which caused confusion. This is resolved.
3. BUG: Adv. Graphing. At the beginning of March, customers reported they could not apply a data filter to their graphs. This is resolved.
4. BUG: Adv. Graph. Edit -> Program Options -> Analyze -> fixed decimal doesn't work in 3D Graph. This is resolved.
5. BUG: Particle Toolkit. Older particle tracking data sets used -1 as a flag to indicate a wild card. These older files could cause error messages under certain conditions. This is resolved.
6. BUG: Particle Toolkit. If a value was typed in that was non-numeric or out of bounds, the software tried to use a message to indicate an error. When this error disappeared, a white rectangle would appear and cover portions of the video window. This is resolved as the software will not alert the user on bad input. We will implement an alternative method in a later release.
7. BUG: Image Processing toolkit. When a filter was applied to an image, a filter function could be called multiple times with no noticeable slow-down in speed. This is resolved.
8. BUG: Constrained Edge Tracking. Max peak search mode allowed for multiple points which caused unexpected behavior. Max peak searches are now restricted to one maximum.
9. BUG: General, Markers dialog. Users reported they were no longer able to change marker color, size, or shape.
10. BUG: 2D Tracking. When interpolated points are accepted, their marker doesn't until the video frame is updated. This is resolved.

11. BUG: General, Save Video Dialog. The dialog was grabbing the selected filename instead of the filename typed into the dialog. In many cases, this caused the program to warn the user that it was about to overwrite the selected file, but the file was never overwritten. This is resolved.
12. UPDATE: Particle toolkit. Threshold scrollbar will now scroll on hover.
13. UPDATE: Particle toolkit. Abort button has been moved to the center of the particle control panel, so it is setup the same way as the other dialogs.
14. UPDATE: Particle toolkit. Export Correspondence checkbox is set to true by default.
15. UPDATE: Particle toolkit. Exported data includes the frame rate.
16. UPDATE: Particle toolkit. Disabling the Particle control panel will reset the parameters to the default values.
17. UPDATE: 2D Tracking, Virtual points. Customers were unable to locate the virtual point switch, so two new icons were created: a double-lined capital R and V which denotes either a Real or Virtual point state.
18. UPDATE: Adv. Graphing. Data exported to text or Excel will list the calibration factors as well as the exported units for a given data column.
19. UPDATE: General, CIHX files. CIHX file format is now supported. Please report any issues encountered.
20. UPDATE: General, Updates. Version checking is now performed using an XML format instead of CSV.
21. UPDATE: General, Project window. This dialog allowed project files to be added to a project which produced error messages. These files are no longer displayed, and the software silently fails.
22. UPDATE: General, About dialog. One of the links pointed to a non-existent page. It now points to <https://xcitex.com/support>
23. UPDATE: General. Main window said Essentials and not 2023 and Essentials had the wrong icon. These were due to new automation functions, and they are resolved.
24. UPDATE: General. The internal limit for the frame rate was set to 5million FPS. This has now been increased to 100 million FPS. We will be implementing changes to improve the look and feel.
25. TYPO: General, Installer. Installer title said setup setup. This is resolved.
26. TYPO: General, Installer. Installer and executables were released with incorrect version values due to a change that was made to automate this process. The resulting installer was not signed. This is resolved.

Only affects ProAnalyst 2023

1. UPDATE: 3D Tracking. It is now possible to add more than 1 measurement to the 3D measurement window at a time.
2. UPDATE: 3D Tracking. It is now possible to export calibrations to a csv file.

Known issues.

1. “Windows tries to install XXXX.msi.”
This is a common feature of a Microsoft Software Installer package. It means something may be corrupted, and the OS is attempting to repair it.

To fix this issue, go to C:\Windows\Installer and either search for file XXXX.msi or find all the MSIs which were authored by Xcitex. This second option can be done by changing the file view to detailed and right clicking the header region (file, date, size, etc.) and selecting Authors.

2. If you had a version less than 23.16.1 or your version begins with 24, please uninstall the installation prior to updating and consider performing the previous steps outlined in: “Windows tries to install XXXX.msi”.

Due to an automation error, one of the releases had a major version number was 24 instead of 23. This is resolved.

1. If a user creates a Stick Model and changes the order of Sticks within the list, this will impact the resulting Stick Model.

Installation Instructions

This version uses a new simplified installation interface. Run the installation executable and it will install the latest versions of the files.

How to get Technical Support

Technical support addresses, URLs and phone numbers are found in the Help → About box within the software. Please have your key tag number, registration number and software version number available when calling.

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