

ProAnalyst 2023 and ProAnalyst Essentials

Version 23.13.01 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.

Detailed Changes from Previous Version

Only affects Essentials

1. v23.1.1 – The current release of Essentials has no licensing system. There were IP protections which were also removed as they are no longer needed.
2. V23.13.01 – Essentials was updated to allow free previewing of data and analysis. In most cases, this allows an Essentials user to see what someone else did using 2023.

Affects both Essentials and 2023

3. V23.13.01 – Resolved: ProAnalyst no longer looks for the User Manual or Getting Started Guide in the wrong location.
4. Resolved: Some calibrated units on exported excels from the video graph were incorrect.
5. Resolved: ProAnalyst is correctly registered with Windows and appears in “add/remove programs.”
6. Security & UX: All installers are now code signed. This prevents Windows from warning users that the program(s) come from an unknown source.
7. UX: Tracking buttons have similar behavior across all toolkits. The process button becomes a stop button if an analysis is being performed.
8. UX: The list on the control panels and graphs maintain focus on at least one item.
9. UX: Updated the “load” and “save” dialogs to a modern Windows UI and it is now possible to change path by typing instead of using a dropdown selector and clicking.
10. Feature: Users can export 3D calibrations to a text file so the data can be analyzed in external programs.
11. Code maintenance: Updated older libraries which do not support 64-bit processing.
12. Code maintenance: Updated older libraries which do not support Unicode.
13. v23.7.8 – Resolved: Remote desktop users were unable to run ProAnalyst.
14. Resolved: FFT graph was not functional due to a non-existent license package.
15. “Set Coordinates Relative to Feature 1” is now part of the Adaptive Feature Tracking toolkit.
16. Code maintenance: removed code related to VS2008 and earlier that was no longer used.
17. Code maintenance: removed code related development projects that were completed: multi-calibration control panel, pan-zoom, graphing in Lite, etc.
18. Resolved: Feature tracking control panel jittered while scrolling with the left mouse button down.
19. Resolved: The divider (splitter) separating the video and graph display areas no longer covers the graph when resizing the measurement window.
20. v23.1.1 – The UIs for 2023 and Essentials were simplified to eliminate context menus and place controls at the topmost layer. Almost everything is 1-2 clicks away. The icons have been changed as well.
21. The software compilation has been updated from MSVS 2008 to MSVS 2012. Additional compilation options were enabled to improve performance and integrity.
22. LAV-Filters was added as an optional part of the installation process to ensure that customers have a large range of codecs available for playback. This is a temporary solution so customers can load more codecs.
23. Build targets have been reduced from 8 to 2: ProAnalyst Essentials (freely distributable) and 2023 (paid version).
24. Updated libTIFF libraries to latest.
25. The language used in the software has been updated to reflect the current nomenclature so there are fewer ambiguous terms or conflicting terms. E.g., the word “lines” was used to refer to what are now

called Stick Models, channels in Constrained Edge Tracking, Graph Lines, and several other features. Similarly, the software distinguishes Track Points or Tracks from the generic word “points.”

26. The play control keyboard shortcuts work under a wider variety of environments such as the 2- and 3-axis graphs as well as the 2-D and 3-D video measurement windows.
27. Added ComboBoxes with radio buttons and check boxes to organize and consolidate context menu items.
28. Added an interpolation section to the Feature Tracking control panel so customers can adjust the settings and accept or reject the interpolation values.
29. Added a “clear selected” section to the Image Stabilization, Constrained Edge Tracking, and Feature Tracking control panels.
30. The installer project was updated to generate MSIs instead of executables. This fixed several issues where dependencies were not being detected properly before and after creating the installer.
31. Most sliders should respond when users hover and scroll the mouse wheel. The video player slider and others that resemble it were created using a different API so they will not respond when scrolling the mouse wheel. These sliders will be updated in a future release.
32. On the Feature Tracking control panel, Virtual Points is now an optional checkbox within the Feature List. The resulting dialog has been greatly simplified as well.
33. The installer compilation was migrated from InnoSetup to a Microsoft installer. This will be updated to WIX or another installer type soon. Currently, this method causes ProAnalyst to not appear in the Windows Add and Remove Programs list. See Known issues.
34. The NI libraries were updated from 2008 to 2012. These libraries will be removed in a future release.
35. Certain cryptographic libraries (libdes and librsa) were removed. Video files can no longer be encrypted.
36. ProAnalyst 2023, Essentials, and Legacy occupy different locations in the registry.
37. Added the following pdfs to the installation directory: ProAnalyst Getting Started Guide, ProAnalyst User Manual, ProAnalyst Licensing. These are accessible from the help drop-down menu.

Only affects 2023

38. v23.1.1 – 3-D Manager: the video blender tool and slider are now on the World Reference control panel, and it is not necessary to move back and forth between tabs to review changes.
39. The license system was updated as the older system is incompatible with Windows 12.
40. The license system was improved to check licenses more frequently and reconnect when a license is available.
41. There were several bugs created by Stick Models and graphing tools that have been resolved. These were due to changes related to feature labels and moving features up and down in the list view.

Known Issues

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 technique. Run the installation executable and it will replace any existing installation.

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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