

LAS X Office 1.4.11

Release Notes LAS X Office 1.4.11

LAS X Office is a version of the Leica Application Suite X for experiment review and can be downloaded free of charge from the Leica Microsystems website. It does not offer any hardware control and cannot be used for image acquisition. LAS X Office can be extended with licenses for additional processing tools, 3D visualization and image analysis. The release notes cover all offline tools no matter if they are license protected or part of LAS X Office.

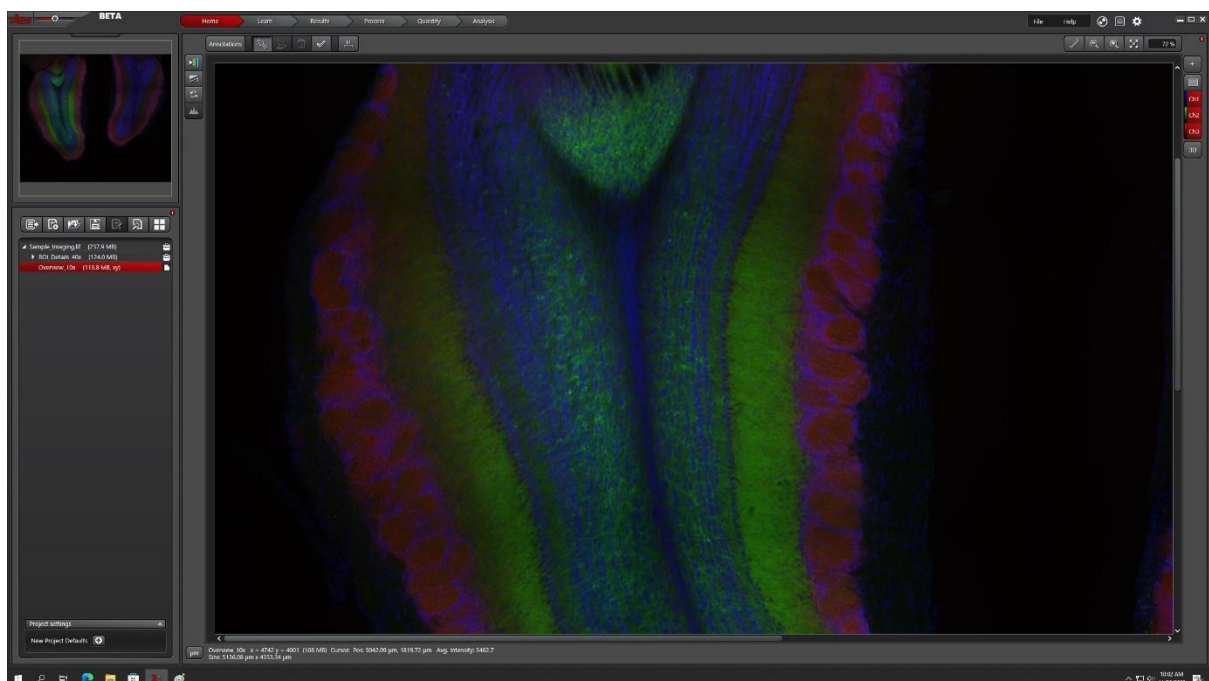


Image courtesy of Thomas Kuner, Ivo Sonntag, Janine Reinert, Institute for Anatomy and Cell Biology, Heidelberg University, Germany

This document describes the LAS X Office 1.4.11 release. You should read this document before installing your copy of this software.

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1. Technical Requirements and Installation

1.1 Warnings

Warning!! LAS X Office cannot be installed on the same PC as the LAS X full version. Please uninstall LAS X full version before installing LAS X Office.

Attention: NVIDIA's latest driver has discontinued support for the GeForce GTX 1080 Ti.

Users with GTX 1080 Ti must manually install the latest supported driver version 581.80. Please note that this driver is not tested anymore with LASX.

Further information: <https://www.guru3d.com/story/nvidia-has-ended-windows-support-for-maxwell-and-pascal-gpus-with-driver-59144/>

1.2 Operating System

LAS X Office 1.4.11 is a genuine 64-bit program and runs on **Windows 11 and Windows 10**.

Windows 11 N and Windows 10 N versions require the Windows Media Feature Pack to be installed before starting LAS X. For installation of Windows Media Feature Pack please follow the procedure described below:

Check Windows Version:

- Windowskey+R and run "Winver" or
- Settings/System/Info

Windows 11 N: Select the Start button, then select Settings > Apps > Optional features. Select View features next to Add an optional feature, and then select the Media Feature Pack in the list of available optional features.

Windows 10 N: Select the Start button, then select Settings > Apps > Apps & features > Optional features > Add a feature. Then locate the Media Feature Pack in the list of available optional features.

1.3 Cybersecurity Advices

Leica Microsystems recommends the installation of all available security updates and hotfixes for Microsoft Windows.

Please check the regularly updated Leica Microsystems Product Security web page to get the latest information and recommendation regarding product security vulnerabilities and detailed mitigation strategies:

www.leica-microsystems.com/company/product-security/

A detailed privacy and security manual can be found at

<https://www.leica-microsystems.com/products/microscope-software/p/leica-las-x-ls/downloads/>

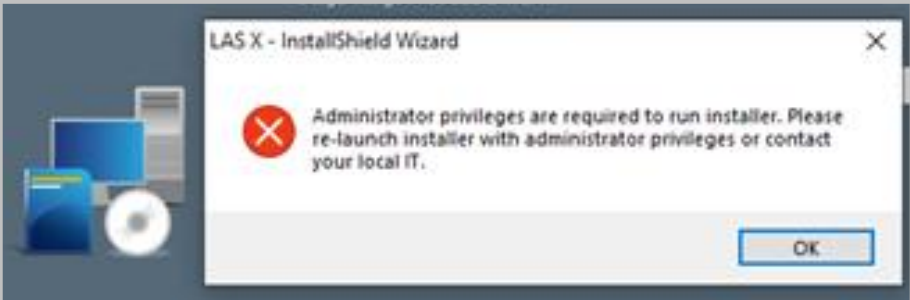
If you need further information or are not sure about security fixes suggested by a system component manufacturer, please contact us via www.leica-microsystems.com/service/

If a vendor of a PC system component announces severe security vulnerability, it is also recommended to update the drivers/software as suggested by the vendor (i.e. graphic card drivers).

1.4 Policy Restrictions

Address company specific IT policy restrictions

Note: If you observe the following message during installation:



Dependent on your IT policy you might miss rights for a proper SW installation.

Potential workaround:

Log in with a local administrator account (outside domain)

Install LASX from this account.

1.5 PC Requirements

LAS X Office is released for Windows 10 and Windows 11. Minimum PC requirements are an Intel Core i5, Intel Xeon or AMD Ryzen processor and 16GB RAM. If LAS X Office is extended with licenses for additional processing tools, 3D visualization or image analysis an NVIDIA T1000 4GB graphics card and 64GB RAM are recommended.

Please note that LAS X Office has been tested with Leica Workstations. It cannot be guaranteed that all other PC configurations that meet the minimum requirements will work with LAS X Office.

1.6 Graphics Card Drivers

NVIDIA RTX A5000 (Ada), RTX 4500 Ada, A4000 (Ada), A2000:

581.80-quadro-rtx-desktop-notebook-win10-win11-64bit-international-dch-whql.exe

NVIDIA Quadro T1000, T400:

591.44-desktop-win10-win11-64bit-international-dch-whql.exe

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Users with GTX 1080 Ti must manually install the latest supported driver version 581.80. Please note that this driver is not tested anymore with LASX.

Further information: <https://www.guru3d.com/story/nvidia-has-ended-windows-support-for-maxwell-and-pascal-gpus-with-driver-59144/>

2. New Features

none

3. Important Information

- **FIXED:** Project Tree -> Right Mouse click -> Overlay was only possible for a maximum of two channels.
- Viventis SCAPE - Image properties in LAS X are different to those shown in the channel viewer and those in the properties of the 3D viewer: Currently the LAS X Image Property Page shows the sizes of the outer edges (i.e. leftmost voxel's left edge to rightmost voxel's right edge) while the 3D viewer shows the distance between the centers of the outer voxels (i.e. the leftmost voxel's center to rightmost voxel's center). This is a difference of one voxel size in each direction. We will harmonize the image properties in a subsequent release.
- Process tab-> Crop tool-> ROI is missing.
Workaround: go to acquisition tab and back to process -> Crop ROI is available again.

- Images of the same region are differentiated by specifying the nth image in brackets, e.g. R1 (2). If this name is changed, e.g. to R1 (2)_MOD a renaming error occurs.
Workaround: Remove the brackets in the image name before renaming.
- Export interface: Multipage TIF files are exported individually for each selected channel.
- Images containing parallax acquired in Navigator first need to be merged before EDOF (Extended Depth of Focus) is applied.
- Do not create Excel reports without installed Excel.
- When installing LAS X from USB-Stick, Trend Micro blocks the AUTORUN.inf.
Workaround: start setup.exe manually.
- When zooming into an image with measurement lines the measurement lines are not zooming accordingly.
Workaround: perform measurements after zooming.
- If LAS X is to be installed on the same workstation as the LMD application software, install first the LMD application software and then the LAS X Software afterwards.
Important note: Use only one software at a time. The LMD application software and LAS X software cannot be used simultaneously.