From Eye to Insight

# LAS X Office 1.4.4

## Release Notes LAS X Office 1.4.4

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.

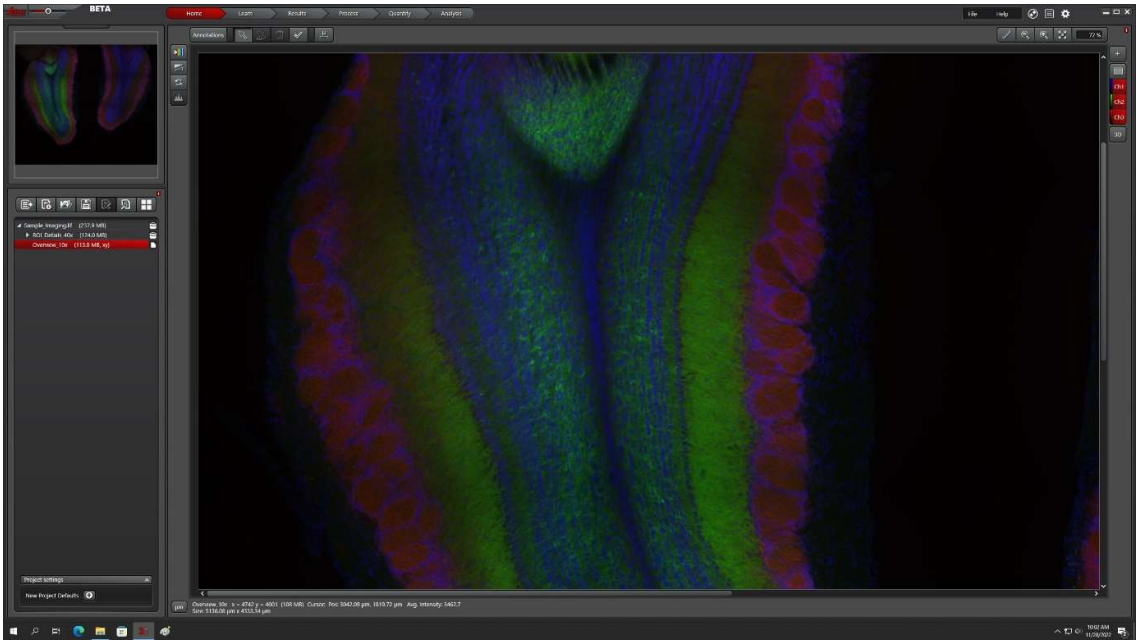

Image courtesy of Thomas Kuner, Ivo Sonntag, Janine Reinert, Institute for Anatomy and Cell Biology, Heidelberg University, Germany

This document describes the LAS X Office 1.4.4 release. You should read this document before installing your copy of this software.

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**Date: February 14th, 2023, applying to build number 26810**

# Contents

# 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 deinstall LAS X full version before installing LAS X Office.

**Warning!! LAS X Office 1.4.4 is released for Windows 10 only.**

## 1.2 Operating System

**LAS X Office 1.4.4 is a genuine 64 bit program and runs on Windows 10.**

## 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/

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

## 1.4 PC Requirements

LAS X Office is released for Windows 10 only. 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.

# 2. New Features

## 2.1 EDOF and Parallax Correction for large Regions

EDOF (extended depth of field) and parallax correction now can handle Navigator experiments.

## 2.2 Export Interface Improvements in Main UI

### 2.2.1 Scalebar offers larger thickness and larger font sizes.

### 2.2.2 When exporting Multipage TIFs all channels of an image are included in one Multipage TIF.

### 2.2.3 BigTIF Image export

Raw images larger than 4GB can be exported within the Main Export interface. Scaled Viewer images larger than 4GB need to be exported with the 3D Viewer export.

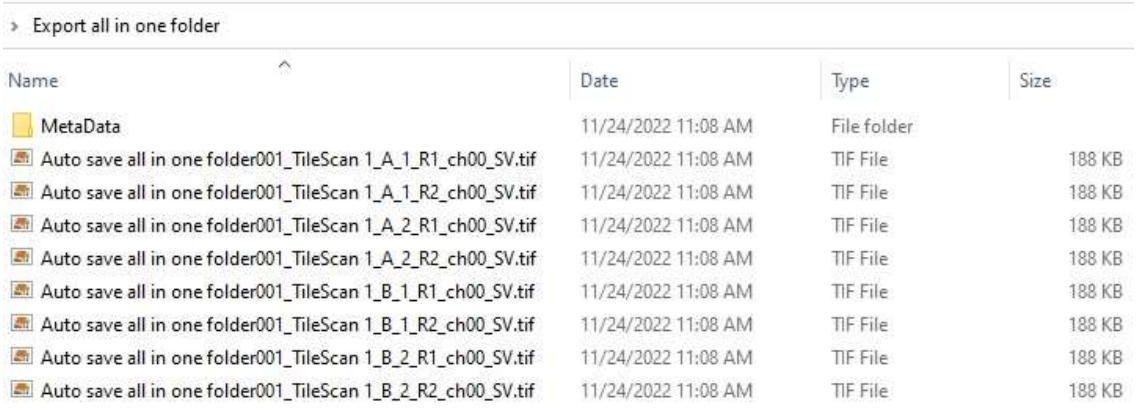
### 2.2.4 New options while image export is running

Right-click on an image while image export is running will offer the following actions:
close project, delete element, rename element, move element.

- for the actions "close project" and "delete element", users might continue anyway, which results in a cancellation of exports.
- the actions "rename element" and "move element" are blocked as long as exports are running.
- on shutdown, the message is shown that exports are still running. Continuing the shutdown will result in a controlled cancelling of running exports, instead of just killing them.

## 2.3 New Export Naming Scheme

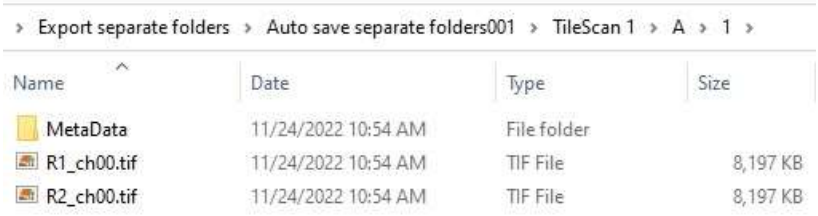
If images are exported into one folder (no checkmark at “Store in separate folders”) the name of the images will include experiment name, collection names, image name and wellplate location, if applicable. This ensures that images can always be differentiated and assigned to their experiment even though they are all in the same folder.




Please note: images exported as Scaled Viewer Image will get the extension _SV. This way they can be easily distinguished from raw data.

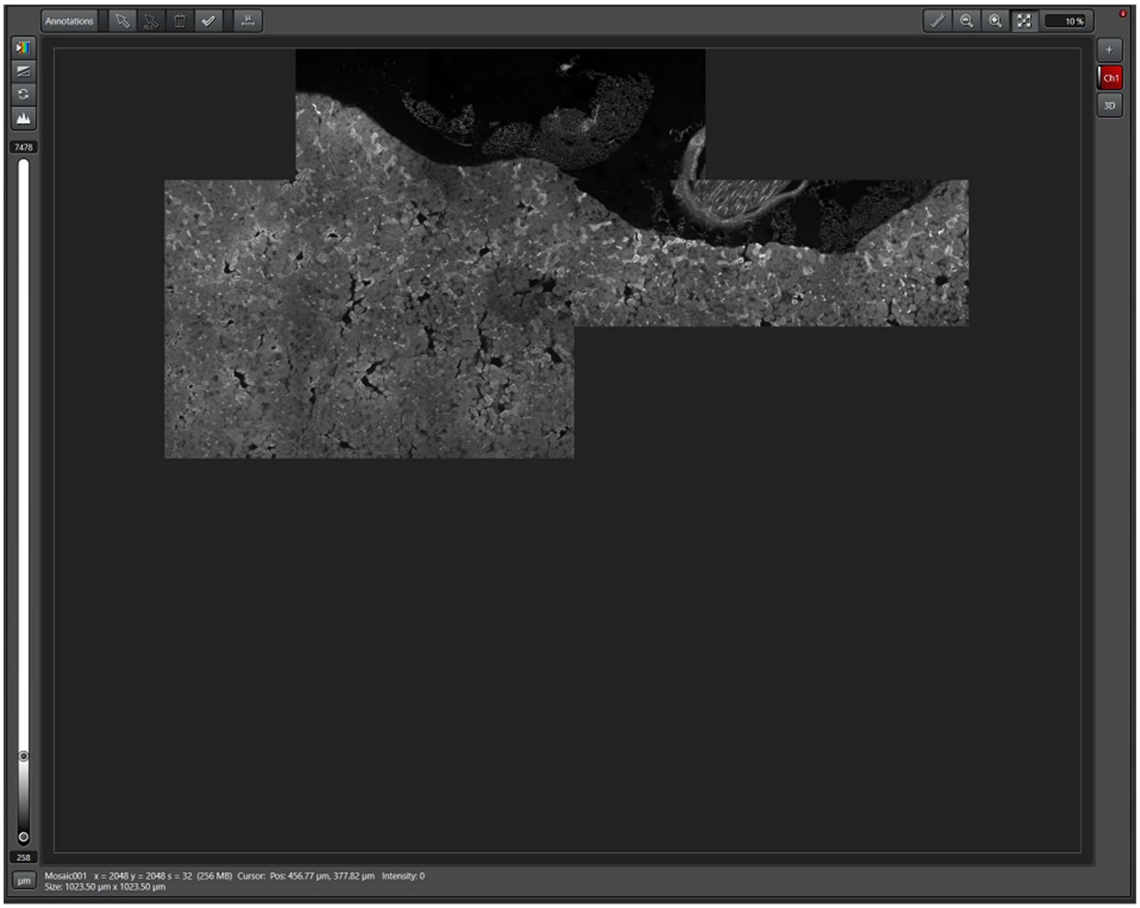
If images are exported into separate folders, each experiment, image and location get its own folder representing the structure of the experiment. The name of the exported images therefore will not include experiment name, collection names, image name or location anymore.

Please note: separate folders are only generated for multiwell, multi chamber and multi slide carriers when positions and regions are automatically distributed via well coverage.




## 2.4 New Main Viewer

The Main Viewer shows the whole region and not the individual tiles anymore. Individual tiles can still be seen in the Quantify tool.




# 3. Important Information

- Export of images larger than 4GB needs to be done within the LAS X 3D Viewer Export.
- Exporting RGB images via right click in viewer doesn't work.
- 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.
- LAS X is released for use with Windows Defender Antivirus and TrendMicro Antivirus.