



AUROX

LASER FREE CONFOCAL

# unity

The all-in-one bench-top  
laser-free confocal microscope



# Imagine **unity**

Introducing the Aurox **unity**, the first in a new breed of all-in-one, compact laser-free confocal microscope systems designed for ease of access and ease of use in your laboratory, at your bench.

“ **unity** makes confocal microscopy faster, easier, more affordable and more accessible for the wet-lab biologist and medical researcher. ”

*Professor Tony Wilson FREng,  
Oxford University & Aurox Ltd.*

Discover **unity**  
inside...





## Explore **unity**



True to its name, **unity** brings together in one fully integrated, compact and easy to use microscope, everything you need for confocal imaging:

### ■ **MOTORISED XYZ STAGE**

**unity**'s motorised XYZ stage has been designed for use with a wide range of samples and sample mounts commonly used in biological research, including slides, multi-well plates and petri-dishes.

### ■ **LASER FREE CONFOCAL**

Designed around Aurox's laser-free confocal technology, **unity** combines Aurox's patented structured illumination spinning disc with state-of-the-art technology and a unique, novel optical arrangement. The results are high quality confocal images recorded quickly and easily in your laboratory.



## ■ INTEGRATED LED LIGHT SOURCE

Laser-free, **unity** uses a proven multi-spectral LED light source based on the CoolLED pE300 ultra. The result is a high performance confocal microscope, which is free of laser safety restrictions and benefits from low photo-toxicity, low photo-bleaching, low maintenance and low cost of ownership.

## ■ INTEGRATED sCMOS DETECTOR

At the heart of **unity** is a specially designed large format, high performance sCMOS digital detector. This detector is used to record both high resolution confocal and wide-field images as well as ultra-large field of view full overview images of the sample / mount.

## ■ CUSTOMISABLE OBJECTIVE LENS

**unity** comes ready to use, with an integrated objective lens. Your preferred objective lens can be selected from a range of options chosen to perfectly match your research applications.

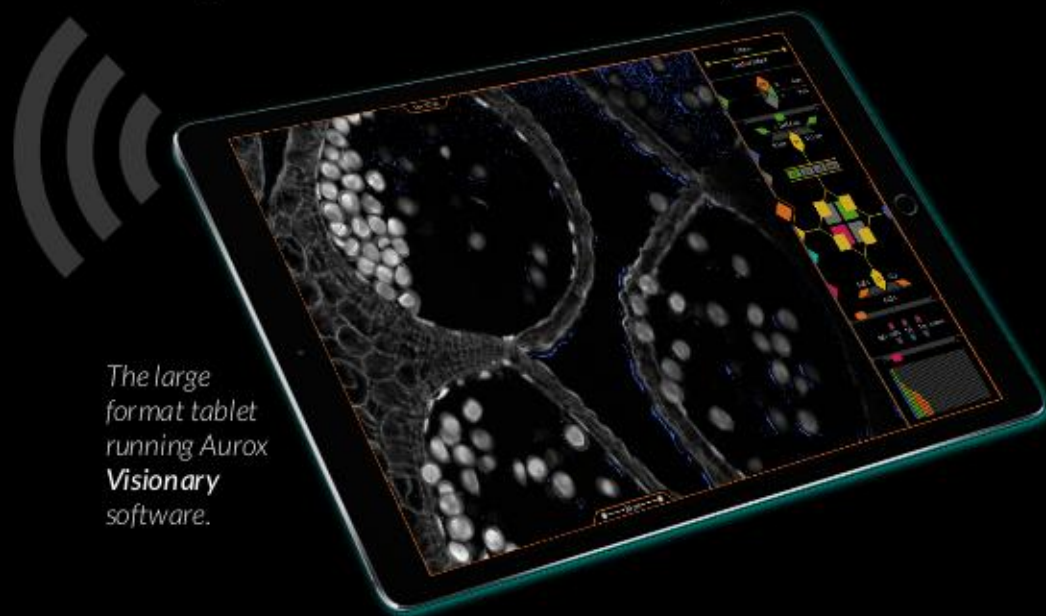
## ■ INTEGRATED IMAGE SERVER

**unity** does more than just collect high quality confocal imaging data. It also stores your data in an integrated OMERO image server database and makes your data accessible to you, wherever you are over a secure network.

## ■ TABLET INTERFACE

For ease of user interface and control, **unity** comes complete, with a large format tablet computer, which communicates directly with **unity** over a secure private wireless connection.

# Experience **unity**



*The large format tablet running Aurox Visionary software.*

## ■ VISIONARY SOFTWARE

Set-up, control and review of your imaging experiment has never been easier. Using a full function web-browser version of the Aurox **Visionary** software you can simply remote connect to **unity** over the network.

Often referred to as the 'easiest to use' and 'most beautiful' of confocal microscope software, **Visionary** presents all experiment set-up and device controls in one colour coded work-flow under a single graphical user interface window.

Visionary enables:

- **z-stack, time-lapse & multi-channel imaging.**
- **Confocal, wide-field & bright-field modes.**
- **High /medium sectioning & high signal confocal modes.**
- **OME-TIFF format.**
- **One-click image export.**

# Connect **unity**



Designed for the laboratory bench-top, **unity** is extremely compact and weighs < 18 Kg.

Gone are the tangle of cables. **unity** requires a single power cable and optionally a network cable. For the rare occasions when needed, **unity** also has multiple front and rear USB-3 ports.



All specifications are subject to change.

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