Connect your microscopes to a digital laboratory or classroom.

ZEISS Labscope

zeiss.com/labscope

ZEISS

Seeing beyond

Your Imaging App for Digital Classrooms and Routine Laboratory Work

Labscope is your easy-to-use imaging app for connected microscopy.
Be it for the laboratory, university, school or even your hobby – it's easier than ever before to snap images, record videos and measure your microscopic samples. You can easily create digital classrooms or digital labs – just connect your ZEISS microscopes into a network. Explore the advantages of an interactive learning atmosphere where you can engage your students fully and enthuse them with the content of your lessons.

You don't need to invest in parallel IT-equipment. Control your cell laboratory microscopes with a connected iPad or Windows PC, store images by workplace and observe cell cultures comfortably from your office. Then share your images – at the touch of a finger.

Whether you use a Windows PC or iPad you will enjoy the same consistent GUI, with the same look, feel and user experience: no training required. It's never been so simple and efficient until now.

▶ Click here to view this video

Simpler. More Intelligent. More Integrated.
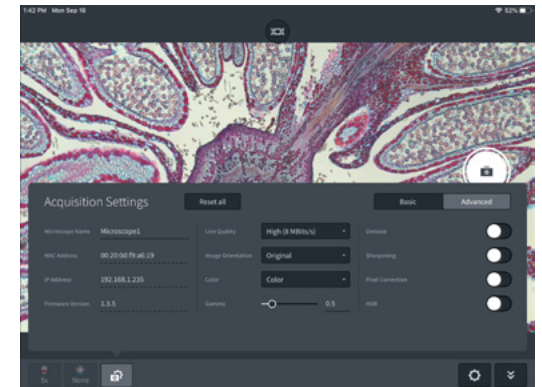
Enjoy Connected Microscopy

In both education and routine laboratory work, connectivity is a core feature, offering you control, remote observation and the use of mobile devices to observe and share. With Labscope you can transform your student lab via a WiFi-enabled network into a digital classroom. Labscope lets you display all the live images from all the connected microscopes at any time and from anywhere in the room. Observe how your students are doing in real-time. Project images from any microscope onto the wall or a TV screen. Discuss what students are seeing with the whole class. As you move freely around the room, 'lecture & listen' becomes 'show & see'.

Simple. Imaging. App.

Whether you're using a traditional Windows PC with mouse and keyboard, a Windows tablet with touchscreen, or an iPad – we've got you covered. Labscope runs on all of these devices, and it has been tuned to each of them to provide the best possible user experience – whether on a small touchscreen or a large monitor.

Labscope leverages network technology to switch effortlessly between microscopes and get real-time thumbnails of all microscopes in the room. But if you're just looking for an easy-to-use, single-microscope imaging solution, you can skip the network and connect your ZEISS microscope to any Windows computer via a USB cable.

Powerful Features with Every Touch

Labscope is the optimal choice for your digital classroom or lab. You can access cameras from multiple microscopes simultaneously from just one device. Get your students measuring, annotating and documenting their results by making it easy to snap images or record videos. Save your images in the ZEN-compatible .czi file format, which includes all metadata and a separate annotation layer – or select the .jpg format to save space. Use the integrated pointer to lead your students to areas of interest. Let them do their hand drawings with the drawing function. Or opt for Labscope Teacher to manage and organize your digital classroom. Labscope works easily by touch and gesture control, independently if you use it on your iPad or PC.
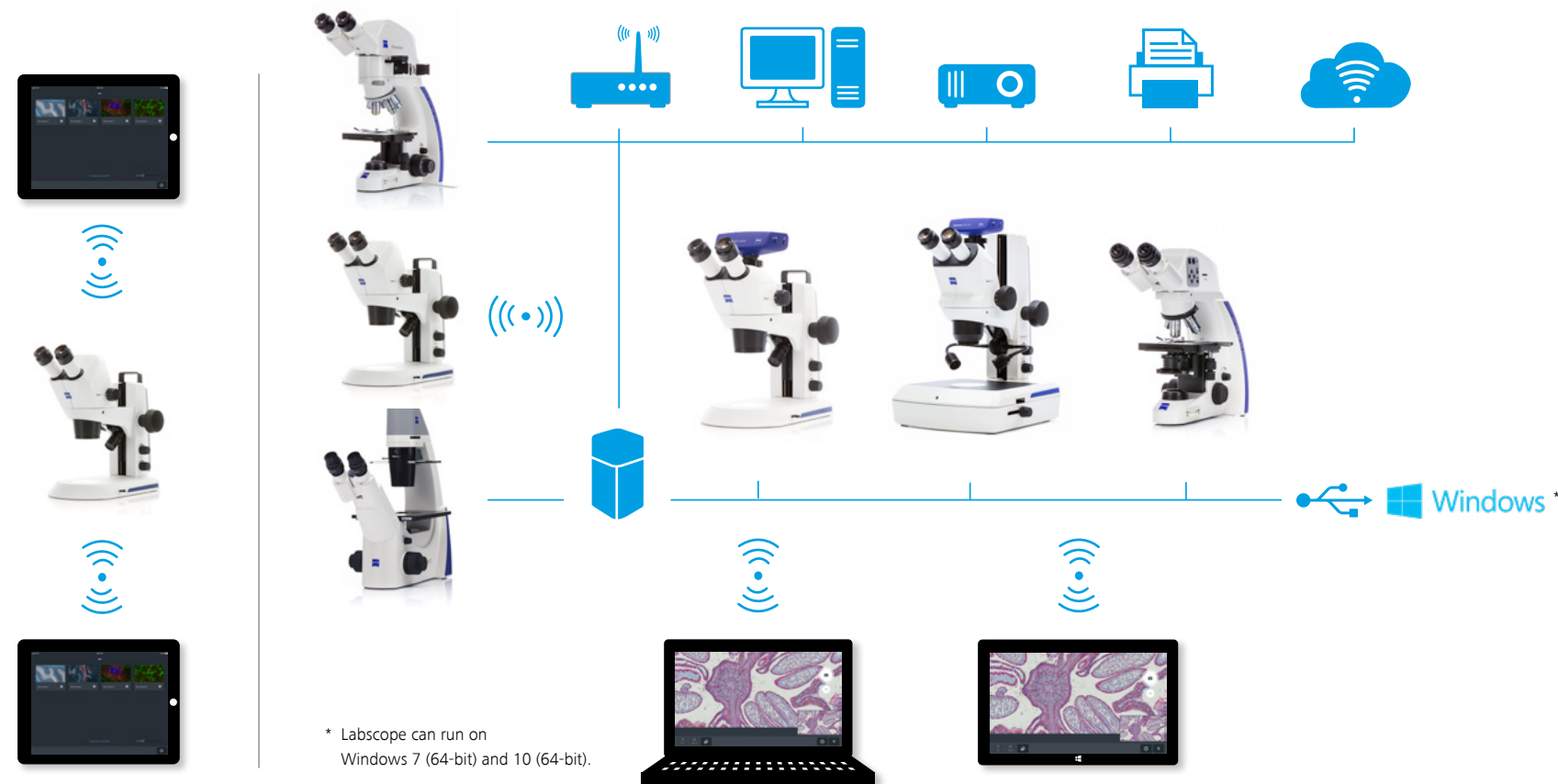
Your Insight into the Technology Behind It

To connect a WiFi-enabled network that spans the whole classroom, use Labscope-ready ZEISS microscopes such as Primo Star HDcam, Primotech, Primovert HDcam or Stemi 305 cam – or any other microscope in combination with the Axiocam 202 mono, Axiocam 208 color or Axiocam ERc 5s microscope camera.

Document and archive your results.
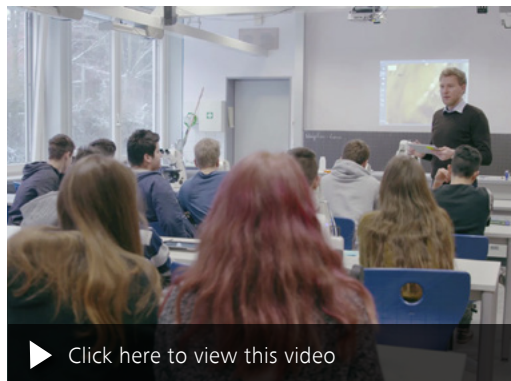And share the images in your digital network. It is full of possibilities.

* Labscope can run on
  Windows 7 (64-bit) and 10 (64-bit).

Windows *

ZEISS Labscope at Work

Use Labscope and a Digital Classroom in the school, university or in professional education:

- Educational / teaching facilities
- Education of techniques in eye surgery

Digital Classroom with ZEISS microscopes at MTLA Hannover, MTA school, Christiane Maschek.

Digital Classroom in biology course, Hainberg Gymnasium Göttingen, Paul Mühlenhoff

Digital Classroom video trailer with Dr. Mark Ramsdale from Biosciences at Exeter University.
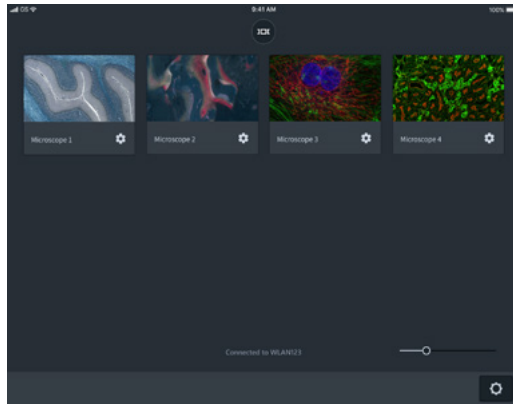
ZEISS Labscope at Work

**Use Labscope as easy-to-use
Software in your laboratory:**

- Histopathology
- Cytology
- Hematology
- Parasitology
- Microbiology
- Environmental studies
- Food / beverage control
- Cell laboratories
- Sample preparation
- Documentation of number of oocytes or
  sperm cells in IVF labs
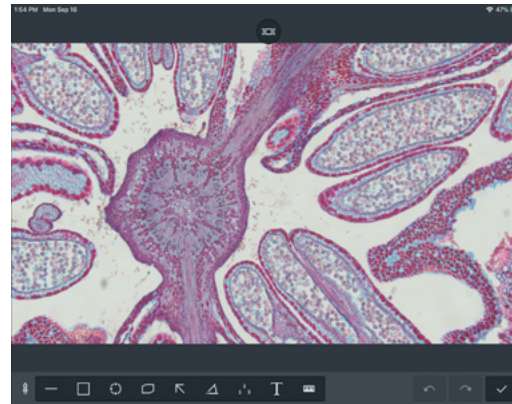- Quality control
- Microphotography
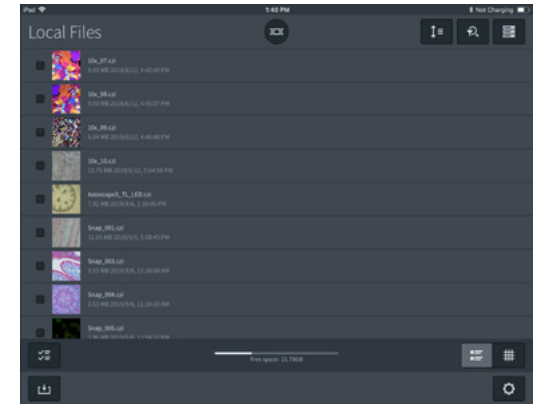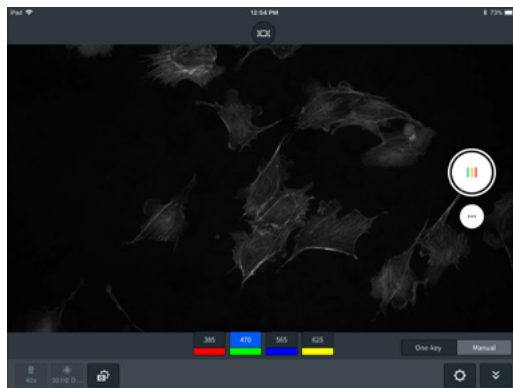- Forensics

Expand Your Possibilities

Monitor all connected microscopes from your iPad while you move around the room.
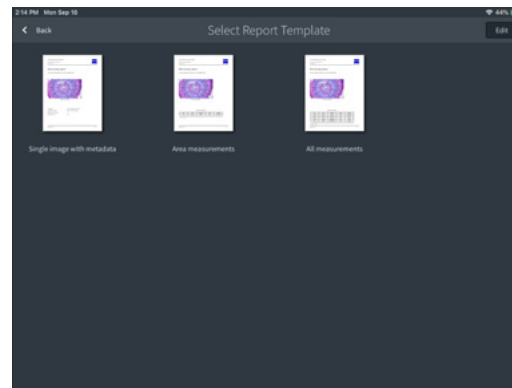

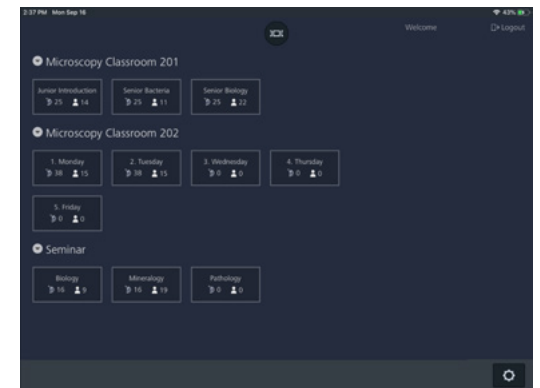*Annotate and measure your microscopic samples.*

Share live streams, images and videos online.

Acquire multichannel fluorescence images.

Document your results and create reports.

Use the software module Labscope Teacher to organize and manage your digital classroom efficiently.

Your Flexible Choice of Components

	Labscope for iPad	Labscope for Windows
Wireless connection to all microscopes in the network	Wi-Fi	Wi-Fi
Wired connection with microscope		USB, Ethernet
Touch and gesture control	●	●
Live image observation	●	●
Image acquisition	Single snap, multichannel acquisition, record video, record timelapse, EDF	Single snap, multichannel acquisition, record video, record timelapse, EDF
Adjust image (brightness, contrast, gamma, color intensity, sharpening)	●	●
Annotate image	Line, Rectangle, Circle, Polygon, Spline Contour, Spline, Arrow, Text	Line, Rectangle, Circle, Polygon, Spline Contour, Spline, Arrow, Text
Live image measurement	●	●
Save image	CZI, JPEG, TIFF	CZI, JPEG, TIFF
Share image via email and social network	●	●
File name template	●	●
Report generation	●	●
Record video	●	●
Timelapse recording	●	●
Pointer function	●	●
Drawing tube	●	●
Shading correction	●	●
Lock configuration	●	●
Multichannel acquisition and edit	O	●
Measurement	Distance, Area, Perimeter, Angle, Diameter, Calipers, Count	Distance, Area, Perimeter, Angle, Diameter, Calipers, Count
Education module	●*	●

● functions available   O functions not available   * Precondition: Labscope Teacher runs on Windows 7 (64 bit), Windows 10 (64 bit) or Windows Server 2016

Technical Specifications

Application Information:

Seller	Carl Zeiss AG
Category	Education, Documentation, Microphotography
Compatible ZEISS microscopes	Primo Star HDcam, Primotech, Primovert HDcam, Stemi 305 cam, Axiocam ERc 5s, Axiocam 202 mono, Axiocam 208 color*
Languages	English, Czech, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish

System Requirements:

ZEISS Labscope for iPad	ZEISS Labscope for Windows	
iPad Air 1/2/3 iPad (5/6 generation) iPad mini 3/4/5 iPad Pro	Minimum:	i3 dual core CPU (5th. generation or above) 4GB RAM Display with 1027×768 (XVGA) resolution
	Recommended:	i5 dual core CPU (6th. generation or above) 8 GB RAM Display with 1920×1080 (Full HD) resolution Touch support
iOS 11 or above	Windows 7 (64-bit) Windows 10 (64-bit)	
	At least one of the following connectivity:	Gigabit Ethernet 802.11n/ac compatible wireless network adapter USB 2.0/3.0 interface

* Axiocam 202 mono and Axiocam 208 color are supported by iPad Air 2 or above.

Windows

Download Labscope or Windows
Runs on Windows 7 (64-bit) and 10 (64-bit)

Download on the App Store

Download Labscope for iPad

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