ZEISS Labscope

Your Imaging Software for Digital Classrooms and Routine Laboratory Work

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Labscope is your easy-to-use imaging software 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, iPhone 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, iPad or iPhone, 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.

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, an iPad, or even an iPhone – 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.
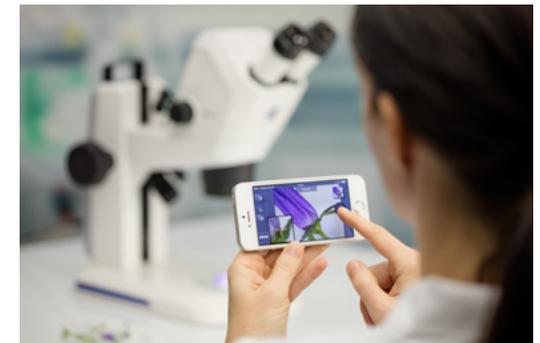
Your Insight into the Technology Behind It

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 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).
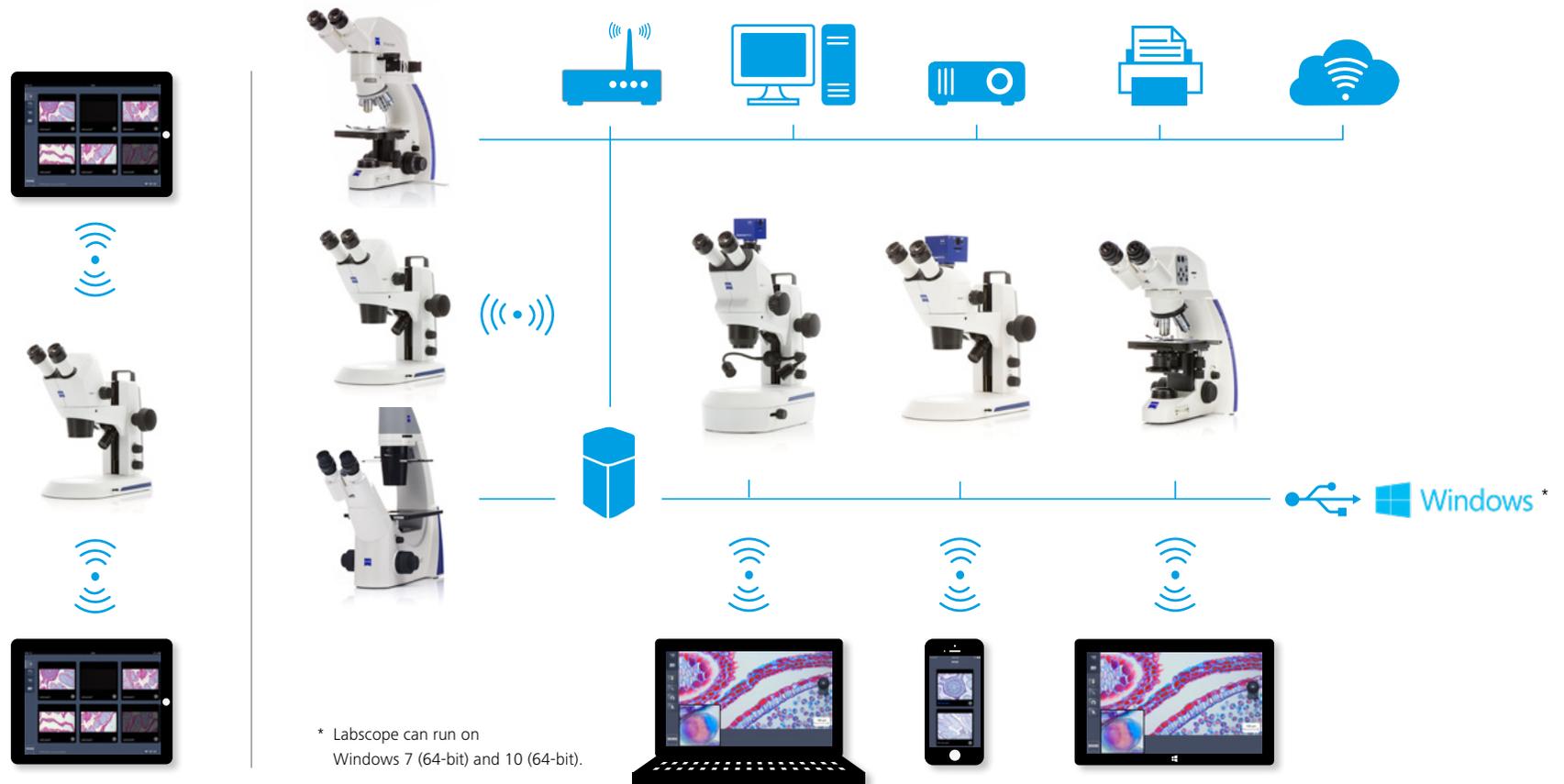
ZEISS Labscope at Work

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

- Educational / teaching facilities
- Histopathology
- Cytology
- Hematology
- Parasitology

- Microbiology
- Environmental studies
- Food / beverage control
- Cell laboratories
- Sample preparation

- IVF documentation
- Quality control
- Microphotography
- Eye surgery
- Forensics

▶ Click here to view this video
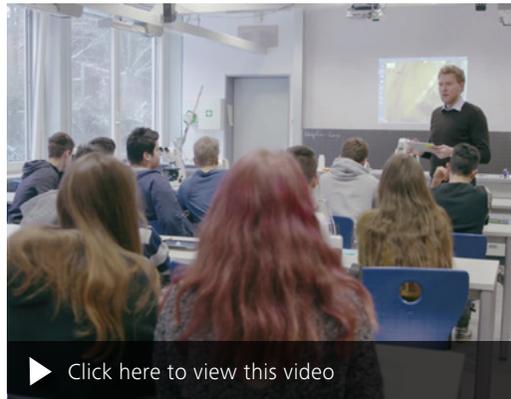
Digital Classroom in biology course, Hainberg Gymnasium Göttingen, Paul Mühlenhoff

▶ Click here to view this video

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


▶ Click here to view this video

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

Expand Your Possibilities
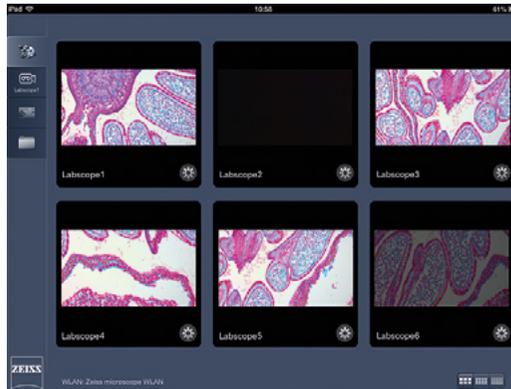
*Monitor all student microscopes from your iPad or iPhone while you move around the classroom.*
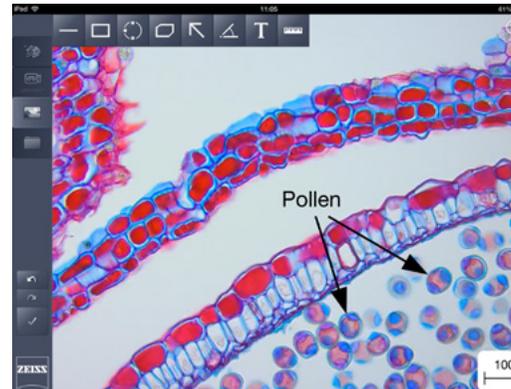

Annotate and measure your microscopic samples.
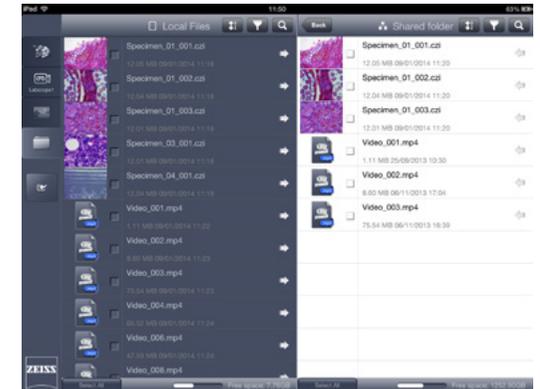
Share live streams, images and videos online.

Use your iPad camera as a digital drawing tube.
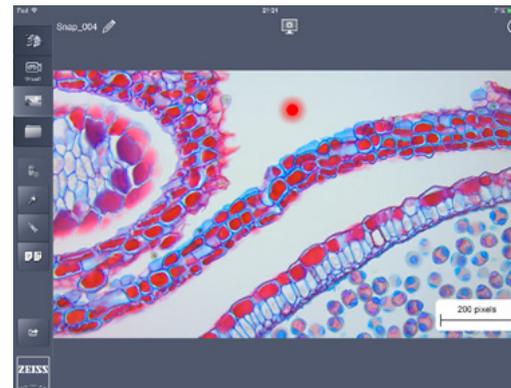
Point your students toward tiny structures and interesting details using the pointer function.

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

Your Flexible Choice of Components

	Labscope for iPad	Labscope for iPhone	Labscope for Windows
Wireless connection to all microscopes in the network	Wi-Fi	Wi-Fi	Wi-Fi
Wired connection with microscope			USB, Ethernet
Touch and gesture control	●	●	●
Live image observation	●	●	●
Graticule overlay (scaled grid, crosshair, cross with divisions)	●		●
Focus indicator	●		●
Exposure indicator	●		●
Touch magnifier	●	●	●
Image acquisition	Single snap, record video, record timelapse, EDF, Macro snap	Single snap	Single snap, record video, record timelapse, EDF, Macro snap
Adjust image (brightness, contrast, gamma, color intensity, sharpening)	●		●
Mirror and rotate image	●		●
Annotate image	line, circle, rectangle, arrow, polygon, text	line, arrow, text	line, circle, rectangle, arrow, polygon, text
Measurement	distance, perimeter, area, angle, diameter	distance measurement	distance, perimeter, area, angle, diameter
Live image measurement	●		●
Crop image (rectangle, triangle, circle)	●		●
Side-by-side image comparison	●		●
Save image	CZI, JPEG, TIFF	JPEG	CZI, JPEG, TIFF
Share image via email and social network	●		●
Upload image onto file server	●		●
File name template	●		●
Report generation	●		●
Record video	●		●
Timelapse recording	●		●
Pointer function	●		●
Drawing tube	●		●
Shading correction	●		●
Manual scale calibration	●		●
Auto configuration with QR code	●		●
Lock configuration	●		●
Labscope Teacher module	O*		●

● functions available   O functions not available   * Precondition: Labscope Teacher runs on Windows 7 (64 bit), Windows 10 (64 bit), Windows Server 2012 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
Languages	English, Czech, French, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish

System Requirements:

ZEISS Labscope for iPad	ZEISS Labscope for iPhone	ZEISS Labscope for Windows	
iPad Pro	iPhone 7	Minimum:	i3 dual core CPU
iPad Air 2	iPhone 7 Plus		4GB RAM
iPad Air	iPhone 6s		Display with 1027 × 768 (XVGA) resolution
iPad (4th generation)	iPhone 6s Plus		
iPad mini 4	iPhone 6	Recommended:	
iPad mini 3	iPhone 6 Plus		i5 dual core CPU
iPad 2017	iPhone SE		4 GB RAM
iPad 2018	iPhone 5s		Display with 1920 × 1080 (Full HD) resolution
			Touch support
iOS 10 or above	iOS 10 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

Count on Service in the True Sense of the Word

In-app Help System Integrated in ZEISS Labscope

There is an in-app help system integrated in both iOS and Windows based Labscope imaging software for you to quickly get guidance on software functions and features. For iOS-based Labscope, each time when you get into a new function interface, there will be an "help overlay" pop up, which contains explanation of the current screen, along with textual descriptions of all user elements that might require explanation. You can always revisit this "help overlay" by activating it in software setting. For Windows-based Labscope, the "help overlay" could also be easily called up by pressing help button at any time.

Your Customer Support: ZEISS Labscope Online Forum

You can always seek support via the Labscope online forum. All posted issues will be checked and answered by ZEISS professionals within shortest time.

Software Updates

Labscope imaging software will be updated and released periodically. You can download the actual versions via the Apple's App Store for iOS-based software and ZEISS Website for Windows-based software.

Profit from the optimized performance of your microscope system with services from ZEISS – now and for years to come.

>> www.zeiss.com/microservice

Windows

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Runs on Windows 7 (64-bit) and 10 (64-bit)

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Download on the **App Store**

Download Labscope for iPad

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