Rethink Classroom Learning with Interactive Digital Microscopy

KoPa 5G Wi-Fi® Interactive System
with CX23 Digital Microscope

EVIDENT

Evident and KoPa are collaborating to reinvent classroom learning. Combining KoPa's Wi Fi® connected workstation solutions with our CX23 microscope empowers teachers with a flexible and interactive system that enhances the way they educate students.

KoPa Interactive Workstation

> Enables a 5G Wi-Fi® local area network without a router or network switch

> Supports connectivity between different rooms and microscope stations can be easily relocated

> Open hardware platform capable of running third-party virtual teaching software, such as digital pathology cloud hosting, AI pathology diagnosis databases, and more

> Software offers multiple interactive settings and compatibility with Android and iOS for learning flexibility

Interactive Learning Environment

Monitoring Live Images

Teachers can monitor and correct a students' image attributions in real time to provide guidance and instructions throughout the process.

Lecture Mode

Stream the teacher's or a student's image to the rest of the class. Lecture materials can be displayed on students' screens during lecture mode.

Remote Control and Monitoring

Teachers can observe and guide students' operations in real time from their workstations.

Here a teacher is using the annotation tool to guide a student remotely.

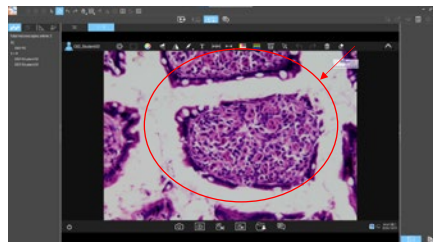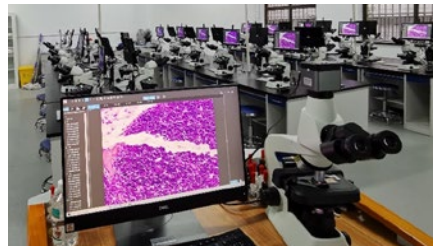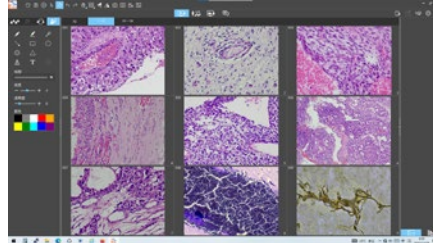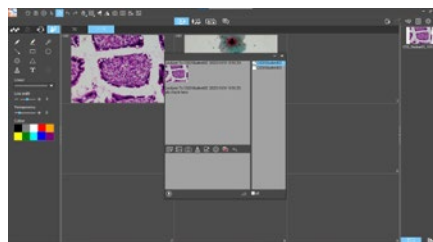## CX23 Digital Microscope: Reliable System Designed for the Classroom

Tailored for student use, the CX23 microscope is robust and dependable. Its design facilitates effortless mobility within the classroom.

Practical features:

> Small footprint

> Lightweight

> Ergonomic nonslip carrying grips

Each KoPa workstation is integrated into a CX23 microscope system mounted with a digital camera. This setup provides clear observations on display screens, enabled by the optical system's large 20 field number (FN) offering a wide field of view.

One-Click Control of Image Properties

Teachers can remotely take control of student access with one click, enabling them to intervene and make adjustments:

> Restore image properties in preparation for the next session

> Fix image properties and share the same properties to all learners

> Prevent misuse by locking the image properties

> Capture and archive all students' images into the computer according to date and user name

Communication via Built-In Messenger

The system's software enables remote communication using images, text, and voice messages between teachers and learners. Distribute assignments in Microsoft Word, Excel, PowerPoint, and other document formats.
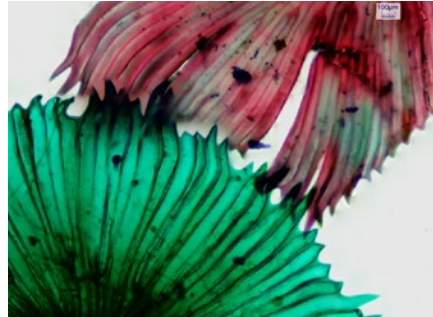
High-Quality Imaging and Measurements

Automatic Depth-of-Field Fusion Function for High-Content Images

Process high-content images using the automatic depth-of-field fusion function to adjust the focal length for greater depth of field and sharper images.
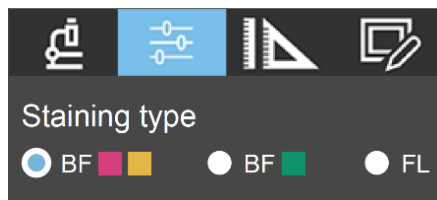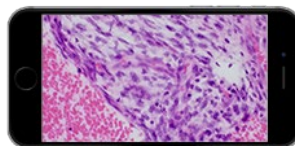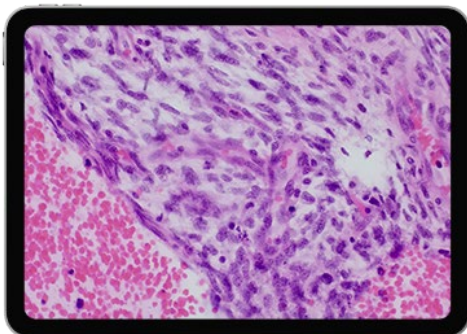

Without processing

With processing

Calibration and Measurement

Thanks to the built-in microscope magnifications (4X, 10X, 40X, and 100X), learners can skip the calibration step and go directly to making easy measurements.

Staining Type Based on Color Calibration

Obtain true image colors by choosing the appropriate image mode according to the staining methods.

Compatibility with Imaging Applications for Android and iOS Devices

> Folder Management: Organize and view captured images and videos directly on your mobile device.

> Wireless Transfer: Files and images from a student's camera can be wirelessly transferred to a mobile device to store and safeguard data.

> Optimize Images: Adjust image settings such as brightness, exposure, white balance, and contrast, on your device.

Hardware Configurations

Teacher Station

CX23 Trinocular Microscope

Interactive Workstation

Computer

Student Station

Binocular Microscope

CX23 Binocular Microscope

Smart Embedded Camera

Wi-Fi® Embedded Camera

Smart Embedded Display Camera

Trinocular Microscope

CX23 Trinocular Microscope

Smart Camera

Wi-Fi® Camera

Smart Display Camera