ACCU·SCOPE®

MICROSCOPY & IMAGING SOLUTIONS

EXC-100

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Empowering Discovery. Advancing Results.

Student-Ready EXC-100 Microscopes

The EXC-100 series of student microscope boasts convenience and performance from every angle. Rugged, die-cast aluminum alloy frames are designed for years of use. Focus and stage controls are ergonomic and intuitive. LED illumination stays cool to the touch, lasts for years, and is rechargeable! Our Achromat objectives deliver crisp images with vibrant color.

EXC-100

EXC-103

The EXC-100 is available as binocular or trinocular models, or with digital, WiFi-enabled binocular and monocular viewing heads (feature a built-in WiFi camera). The hard part is choosing which model is best for you.

EXC-103-EP

EXC-103-HD

EXC-103-HDS

Increase Engagement With Cameras

Digital cameras make science even more engaging by displaying the samples on a mobile device or bigger screen. Multiple students can view the images simultaneously, enabling interaction and group work. WiFi-enabled digital cameras are built right into the EXC-100-WB, EXC-100-WB3, EXC-101-WM and EXC-101-WM3 models and include Android tablets. Digital cameras are also available for the EXC-103.
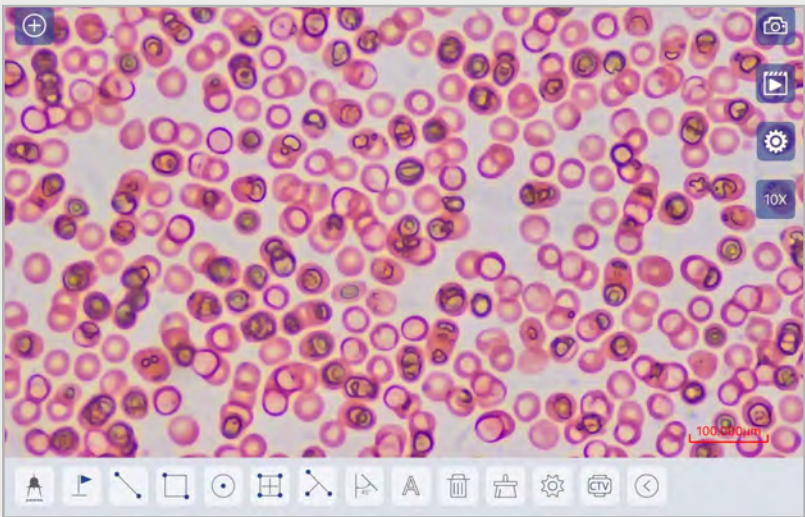

EXC-100-WB

EXC-101-WM3

MicroSNAP Software
For WiFi-enabled Microscopes

Get the most of your WiFi-enabled EXC-100 series microscope (EXC-100-WB, EXC-100-WB3, EXC-101-WM or EXC-101-WM3) with our exclusive and free MicroSNAP mobile apps (Android and Apple) or Windows PC software.

MicroSNAP provides a super simple solution for viewing, camera control, image and video acquisition and measurement. MicroSNAP is available on Google Play and Apple App Store. For maximum control and analysis, choose our MicroSNAP for Windows (downloadable from accu-scope.com).

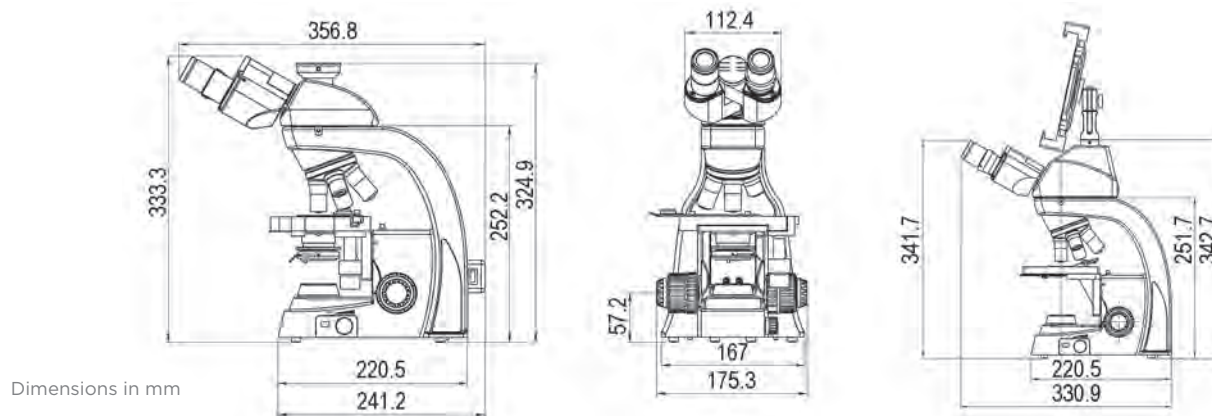*MicroSNAP mobile app interface with the toolbar expanded*

EXC-100 Student Microscopes

SPECIFICATIONS

Viewing Head	**BINOCULAR:** inclined 30°, rotatable 360°, adjustable interpupillary distance 50~75mm, right diopter adjustment; available with built-in 2MP WiFi camera **TRINOCULAR:** inclined 30°, rotatable 360°, fixed 50/50 light split (eyepieces/photo port), adjustable interpupillary distance 50~75mm, right diopter adjustment **BUILT-IN 2MP WIFI CAMERA:** Monocular, inclined 45, rotatable 360 or Binocular, inclined 30°, rotatable 360°
Optical System	DIN Optical System, f = 160mm
Objectives	DIN Achromat 4x, 10x, 40xR* and 100xR*[†] oil objectives (* spring loaded)
Eyepiece	WF10x eyepiece, 18mm field of view, pointer in one eyepiece
Nosepiece	Rear-facing, 4-position nosepiece with positive click stops to ensure objective alignment
Focusing System	Coaxial coarse and fine focus, focus tension adjustment; focus travel stop
Stage	Double-layer mechanical stage, right side XY controllers, 115x125mm, slide holder
Condenser	N.A. 1.25 condenser, iris diaphragm, filter holder
Illumination	Variable and rechargeable[††] 0.2W LED illuminator ([††] requires three AA 1300mAh 1.2V NiMH batteries, included)
Stand	Cast aluminum alloy with built-in carry handle and power cord wrap
Power	Universal power supply (built-in); input 100-240VAC, output 5V 1A
Accessories	Instruction manual
Camera Adapters (EXC-103 only)	Optional: 0.35x, 0.5x, 0.65x and 1.0x C-mount camera adapters; Photo tube (requires camera adapter, not included)
Options	Digital cameras; darkfield annulus
Warranty	5-year limited warranty for parts, labor and electronic components; 1-year warranty on LED bulb

[†] not included with model EXC-100-WB3 or EXC-101-WM3 ∎ [††] the rechargeable batteries only provide power to the LED illuminator and not to the built-in WiFi camera on the built-in WiFi models

EXC-100 Series Dimensional Drawings

Dimensions in mm

v061024