AUTOSCOPE-E

Explore the Micro Dimension

AUTOSCOPE-E

Motorized Digital Microscope for Teaching and Research

Introducing the AUTOSCOPE-E, a cutting-edge motorized digital microscope that simplifies the microscopy with its user-friendly touchscreen interface. Say goodbye to traditional manual microscopes that require extensive training and welcome the new era of microscopy with the AUTOSCOPE-E.

With its intuitive navigation and real-time live imaging, the AUTOSCOPE-E provides a truly interactive and engaging microscopy experience. Its high-definition imaging allows for crystal-clear visualization, and the ability to capture both HD images and HD videos ensures that important findings are never missed.

The motorized stage allows for seamless transitions, providing an engaging and interactive experience for students of all ages. Its intuitive controls make it easy for teachers to demonstrate and explain important concepts.

AUTOSCOPE-E 's motorized stage also adds a new level of precision to the microscopy process, allowing for accurate and repeatable observations. Its compact design ensures that it is easy to transport, making it the perfect tool for off-site educational programs and field trips.

Experience the future of microscopy with the AUTOSCOPE-E. Its cutting-edge technology and user-friendly interface make it the perfect tool for professionals, educators, and students alike.
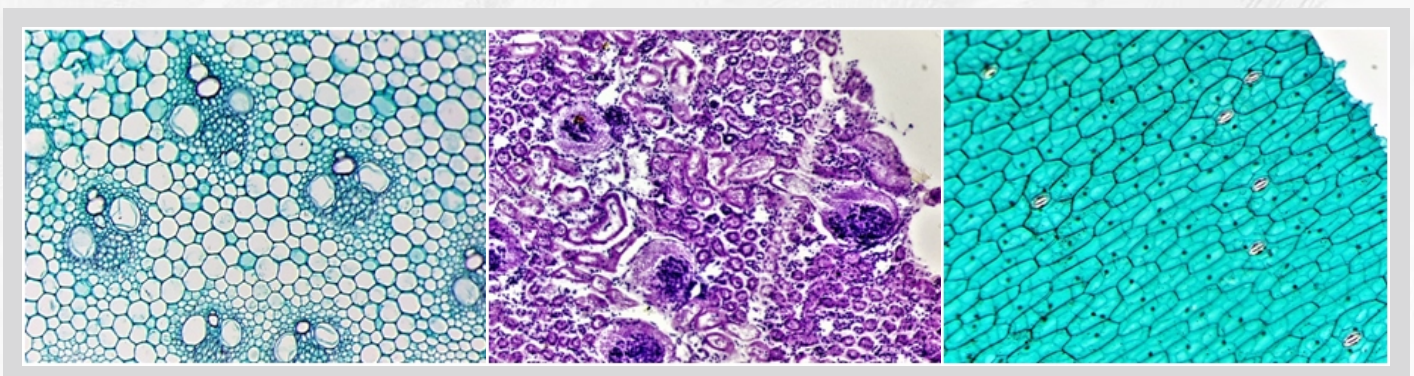
| Monocot stem | Cuboidal Epithelium | Leaf Stomata |

VALETUDE PRIMUS HEALTHCARE

A Spin-off from IIT-Delhi

www.valetudeprimus.com

AUTOSCOPE-E
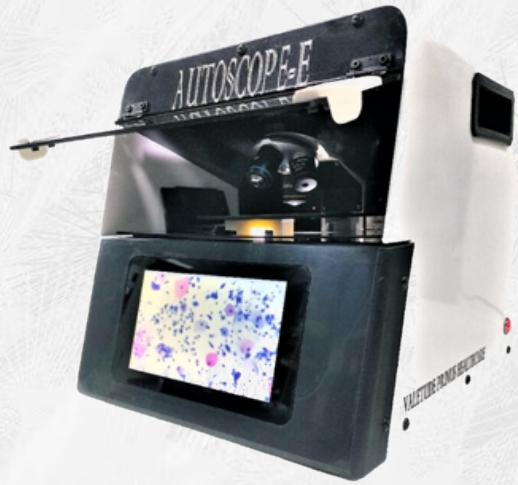
Motorized Digital Microscope for Teaching and Research

Image Acquisiton	High Quality Image & video acquisition with 12.3 Mega Pixel camera
Light Source	3W white LED with intensity control
Motorized stages	Motorized stage for Precise movement
Z focussing	Motorized
Objective lens	Achromatic & Anti fungal (4x, 10x, 40x, 100x)
Connectivity	Bluetooth, Wifi, HDMI
Data transfer	USB 2.0
Power backup	30 minutes
Ready-to-use	Simply plug in and start working.
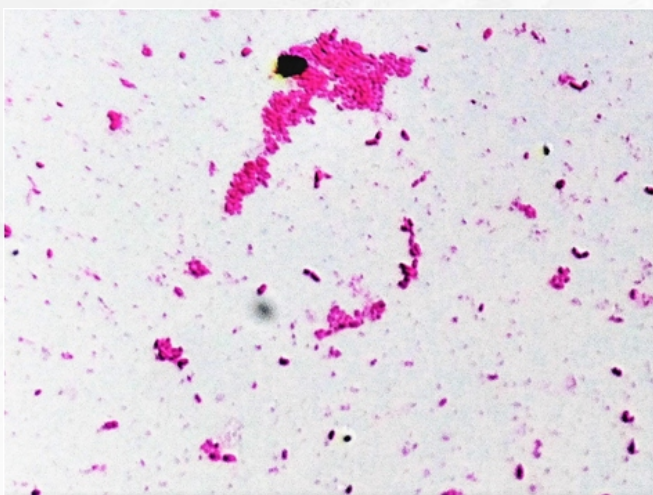
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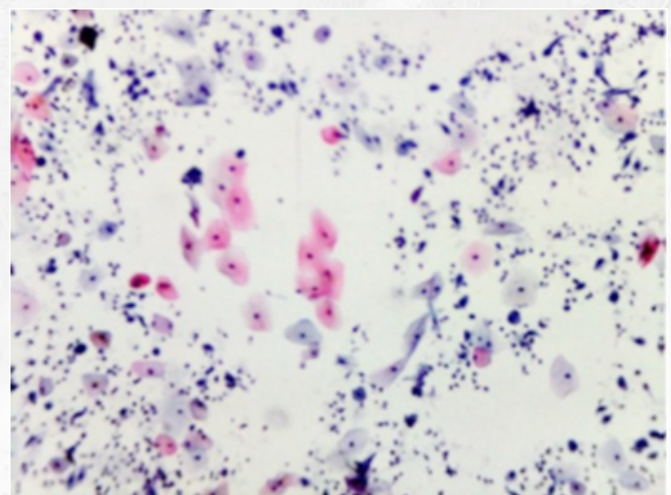
Cervical Pap Smear

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Technical Data

Dimensions(Length×width ×height)

Autoscope – E (without bottom spacers)	approx.303mm×370mm×314mm

Weight

Autoscope – E (with box)	approx.15kg

Image Acquisition

Pixel size	1.55µm x 1.55µm
Video Modes	2028 × 1080p50, 2028 × 1520p40 and 1332 × 990p120
Sensor resolution	4056 x 3040 pixels
Sensor Image area	6.287mm x 4.712mm (7.9mm Diagonal)
Optical size	1 /2.3"
Maximum exposure time	670 seconds

Operating Requirements

Linevoltage	100to240V(±10%)wide-rangeinputpowersupply,
Linefrequency	50/60Hz
Powerback up	30 minutes max.
Plug-inpowerunitoutput	12VDC;max.10A

Light Sources

LEDillumination	3W whitelightLED
Control	Digital – UI based control
Adjustable Illumination	4x to 100x
Analogousbrightnessadjustmentfrom	approx.15to100%

UI / Display

Display	7-inch touch display, anti-glare, LED B/L
Display format	800 x 480 pixels
LCD type	TFT, normally white, transmissive
Touch panel	True multi-touch capacitive touch panel with up to 10 points of absolution

Objective

Objective type	Achromatic, anti-fungal
magnifications	4x, 10x, 40x, 100x
Field of view (4x)	2275 x 1705 µm
Field of view (10x)	961 x 720 µm
Field of view (40x)	235 x 176 µm
Field of view (100x) oil	97 x 72µm
Turret	Quadruple, High Precision

Stage

XY stage	Motorized XY stage
XY Scanning range	50 x 20mm
Control	Digital control using UI
Direction	Bi - Directional
Z coarse range	150mm (Motorized, digitally controlled)

Connectivity

Display	HDMI
Data	USB 2.0
Wireless	Wi-fi, BLE

SoC

Processor	ARM cortex 64-bit @1.4GHz, 3GB RAM
Storage	32GB