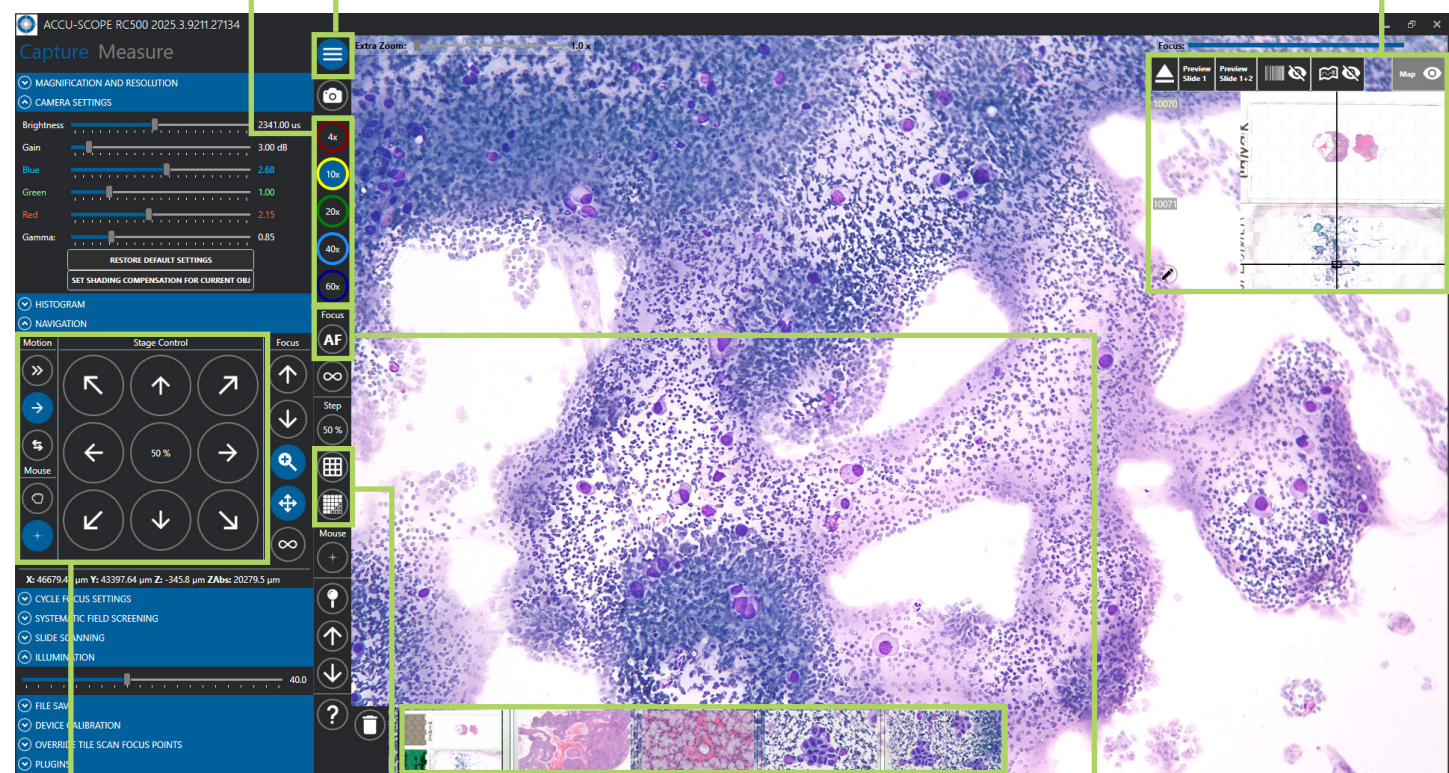# ACCU·SCOPE®

MICROSCOPY & IMAGING SOLUTIONS

Empowering Discovery. Advancing Results.

Conventional Microscopy. Unconventional Solution.

FULL Optical Resolution
The RC500 supports the full range of high-resolution objectives from 4x to 100x. Change objectives with the press of a button through the software, the microscope LCD panel or hot buttons.

Menu Display Control
Click to collapse or show the left-side menu. Expand or collapse the blue menu function bars to change settings.

Fast Preview Scan
Load slide, click to create scan, share with peers. Generate heat map. Drop pins. Select ROI for scan. Minimize the menu and preview for an uninterrupted field of view.

Field Screening / Slide Scanning
With Systematic Field Screening, the RC500 continuously displays views across the sample. Pause anytime to take a closer look at any field. Choose an ROI from the preview scan to perform a high-resolution scan for viewing and analysis.

FAST Continuous Autofocus
RC500 autofocus quickly adjusts to accommodate a wide variety of sample types. Cycle focus repeatedly focuses through thick specimens or features to show detail. Switch to manual focus to inspect more closely.
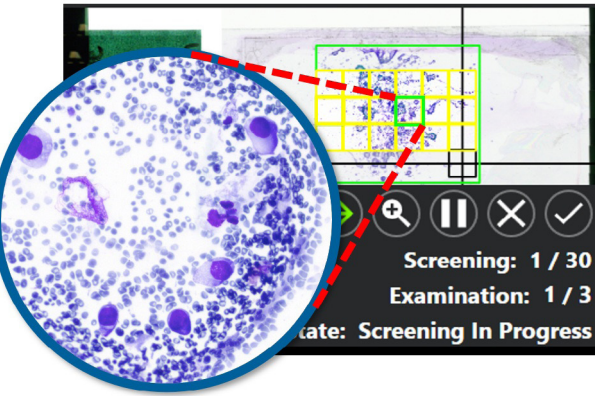
Selectable Sample Motion
Choose continuous stage motion or to move the sample by a percentage of the field (10%, 30%, 90%). Drag the image to move or click-to-center the viewable area. The options are yours.

Gallery Thumbnail Images
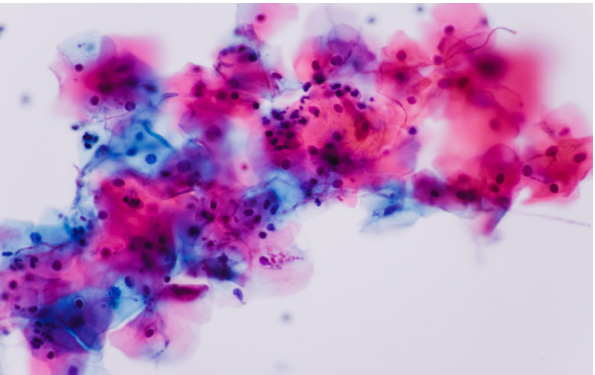Quickly review images captured to the gallery. Click to open for sharing, annotation or saving.

Seamless Remote Observation & Operation

The remote observer has full control of the RC500 microscope for a complete evaluation experience whether inside or outside the institution. Move the specimen, change objectives and illumination, capture and annotate, even measure!

Systemic Field Screening & Slide Scanning

Systematic Field Screening continuously displays field overviews and allows the user to pause and investigate selected fields more closely.

Choose a region of interest from the preview scan, select focus positions and magnification, and the RC500 will perform a high-resolution scan for viewing and analysis.

FAST Autofocus - See It All!

The RC500 automatically adjusts focus when the field of view changes. Change objectives or switch to manual focus at any time to reveal details that may otherwise be obstructed. Use Cycle Focus to automatically repeatedly focus through a field to see details in thicker samples.

Elevated Conferences

Take conferences, instructional sessions and tumor boards to the next level. Share images from a remote location. Control the microscope freely to address the needs of the discussion.

RC500 Remote Collaboration System

SPECIFICATIONS

Optical System	Infinity Optical System, f = 200mm
Viewing Heads	Fixed trinocular (50:50 split), 30° incline; rotatable 360°; interpupillary distance adjustment 47-78mm
Mult-viewing Options	Remote viewing included with RC500 software (requires internet connections)
Objectives	Plan semi-Apochromatic 4x, 10x, 20x, 40x*; Plan Achromat 60x* Optional: Plan Apochromatic 10x, 20x, 40x*, 60x* oil immersion, 100x* oil immersion; Plan Achromat 50x* oil immersion (*spring loaded)
Eyepieces	WF10x/22mm focusing eyepiece
Nosepiece	Motorized reversed sextuple nosepiece with analyzer slot; accepts M25 threaded objectives
Focusing System	Motorized focus, coarse/medium/fine (user selectable)
Stand	Cast aluminum alloy
Stages	Motorized stage with right-handed, drive-by-wire X-Y stage controls; dual slide holder
Condenser	Abbe condenser with iris diaphragm, N.A. 0.9
Illumination	3W LED Eco-illumination with variable intensity control, 25,000+ hour bulb life
Fluorescence	N/A
Observation Method	Brightfield
Power	Input: 100-240V 1.5A
Weight (approx.)	36lbs. (standard configuration with fixed trinocular viewing head and motorized stage)
Cameras	8.1MP color camera, 2/3" sensor format, 2.74µm x 2.74µm pixels, global shutter, 48fps, USB 3.0 interface (conforms to CE, EAC, FCC, GenICam, IP30, KC, RoHS, UKCA, UL, USB3 Vision)
Software	ACCU-SCOPE RC500 Remote Collaboration Software: Transmit and view images from remote locations; change objectives, focus, light intensity and specimen position (requires motorized stage and remote access software (e.g., TeamViewer, Splashtop, etc.) installation; requires optional qualified Windows PC

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⚠ **WARNING**   READ THE CORRESPONDING MANUAL CAREFULLY TO ENSURE CORRECT USAGE OF ALL PRODUCTS

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