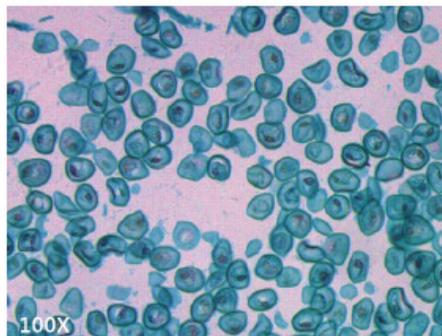
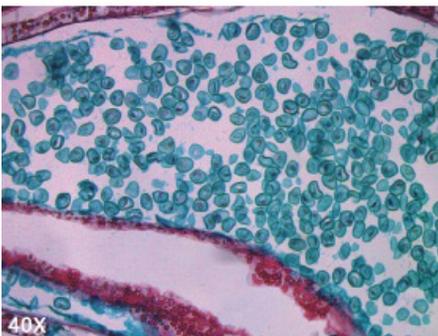
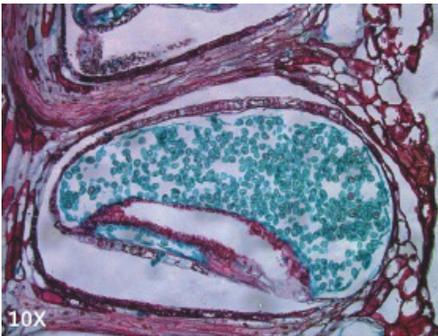


# U2 Microscopes

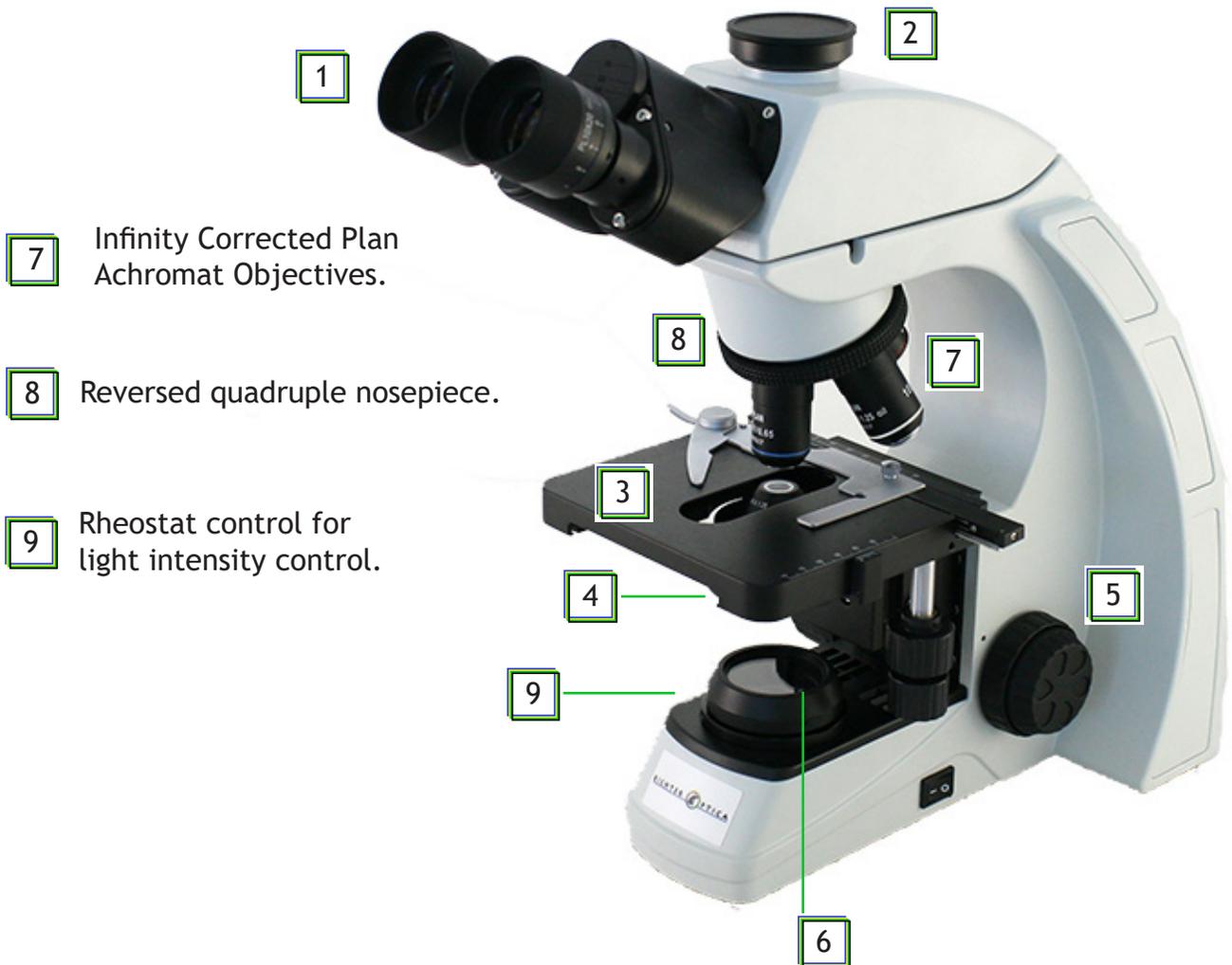
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# U2 Microscope Features

- 1 Ergonomically inclined head with eyetubes at 30° places user in the best working position, creating less tension and fatigue. Interpupillary distance is adjustable from 50~75mm. Widefield high eyepoint focusing 10x eyepieces, FN20.
- 2 Trinocular port with c-mount adapter for camera or tablet connection.
- 3 Double layer mechanical stage 140mm x 135mm with 78mm x 50mm movement range. Stage has a locking position.
- 4 Koehler NA 1.25 condenser is pre-centered. Image contrast is improved with iris diaphragm. Slot for phase slider.
- 5 Coaxial coarse & fine focus adjustment on both sides of microscope frame. Coarse tension is adjustable. Upper limit avoids impact between objective and slide.
- 6 LED illumination is energy efficient with long-lasting bulb. Filter holder over light.





## Infinity Corrected Plan Achromat Objectives

Objective	N.A.	W.D.
4x	0.10	11.9mm
10x	0.25	12.1mm
20x	0.40	1.5mm
40xs	0.65	0.38mm
50xs Oil	0.95	0.19mm
60xs	0.85	0.3mm
100xs Oil	1.25	0.18mm



## Simple Phase Contrast

- Centering Telescope
- 40x Phase Objective
- Phase Slider



## Koehler Illumination



Fixed Koehler illumination with Infinity Corrected optics ensure high resolution, sharp and clear images.

The NA 1.25 Koehler illumination condenser has an iris diaphragm and a slot for a phase slider.

Professional large mechanical stage with built-in low profile ball-bearing mounted mechanical specimen holder with low-position coaxial controls allows for easy incremental movement of samples.



# U2 Microscope Models



**U2B Binocular**

Binocular eyepieces have an interpupillary distance adjustable from 50-75mm.



**U2T Trinocular**

Trinocular port for camera attachment. Beam splitter ratio = 80:20.



**U2D Digital**

3mp or 5mp USB Camera with Software for image capture and measurement.



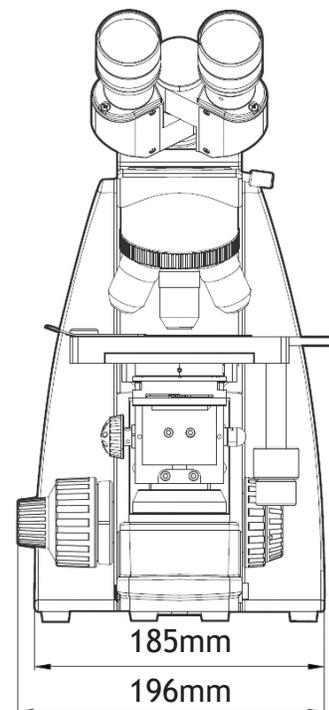
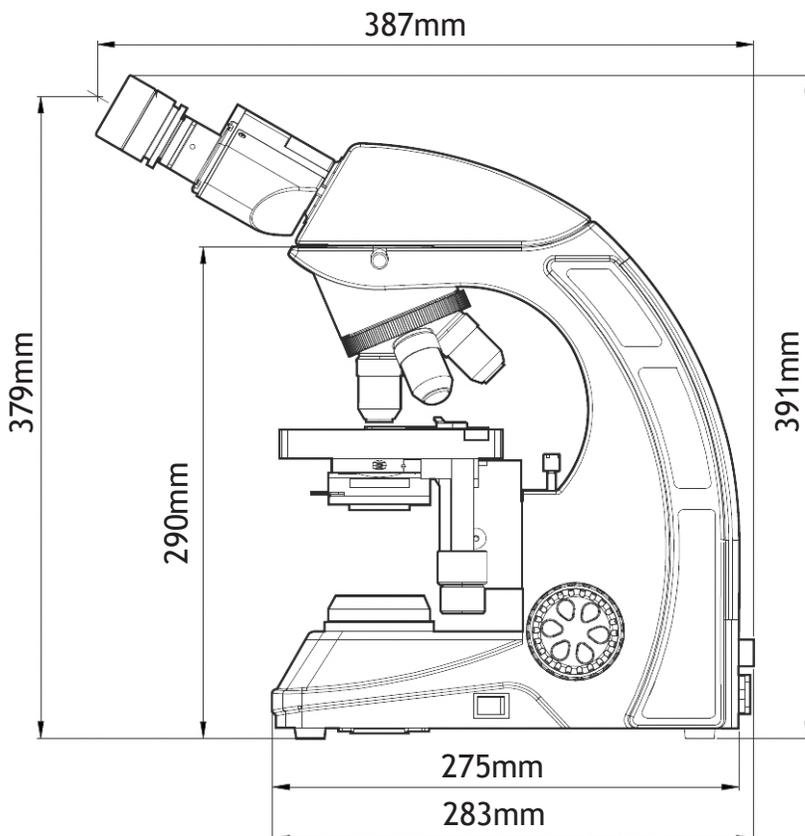
**U2-HD**

High definition HD camera and 12" HD monitor for fast frame rate. Capture images to SD card or computer.



# U2 Microscope Specifications

Optical System	Infinity Color Corrected Optical System
Viewing Head	30° inclined binocular head. Interpupillary distance adjustable 50-75mm. 30° inclined trinocular head. Interpupillary distance adjustable 50-75mm. Beam splitter ratio = 80:20 when engaged.
Eyepieces	Widefield plan eyepiece PL10x, FN20, diopter adjustable. Retaining ring available for 20mm diameter reticle.
Objective Lenses	DIN Plan Achromat 4x, 10x, 20x, 40xs, 50xs oil, 60xs, 100xs oil.
Nosepiece	Reversed quadruple nosepiece.
Focus Adjustment	Coaxial coarse and fine focus adjustment with coarse adjustment stop and tension adjustment. Range: 25mm, precision 0.002mm.
Stage	140mm x 135mm double layer mechanical stage with moving range 78mm x 50mm precision 0.1mm.
Condenser	N.A. 1.25 Koehler Abbe condenser with iris diaphragm and slot for slider.
Illumination	3.3v, 3W LED illuminator with rheostat control, 100V-240V.
C-Mount Adapters	Focusing 0.35x and 0.5x.
Reticles	Variety of 20mm Ø reticles available including: grid, ruler, cross-line, etc. Metric or inches.



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