ULTIMA DUAL - Two Headed Microscope

Mechanical Body & Focusing System

- Co-axial coarse and fine focusing system with large ergonomic knobs.
- Pre-focusing lever and tension adjustment ring.
- Fine division: 0.001 mm.
- Fine stroke: 0.1 mm per rotation.
- Mechanical movement range: 80 mm × 55 mm.

Mechanical Stage

- Double plate rackless mechanical stage measuring 187 mm × 167 mm.
- Low-position co-axial X-Y controls.
- Ball-bearing guided stage movement for smooth operation.

Sub-Stage Condenser

- Swing-out front lens Abbe condenser.
- Numerical Aperture: 0.9/1.25.
- Built-in filter holder and iris diaphragm.

Built-in Filters

- Integrated transmitted light filters:
  - LBD Filter
  - ND6 Filter
  - ND25 Filter

Illumination System

- High-intensity transmitted illumination with 12V/100W Halogen Lamp House or equivalent LED illumination power > 25W.
- Center pre-set illumination uniform illumination,
- Variable brightness control with adjustable intensity.

Optional Upgradations

- Upgradable to Fluorescence / Motorized / Cytogenic Application
- Upgradable to 100% F.O.V Circular Tablet Display

Standard Accessories

- 12V/100W Halogen Tungsten Bulb / LED Bulb
- Power cord.
- Dust cover.
- User manual and quality certificates.

Trinocular Observation Head

- Siedentopf trinocular observation head inclined at 30°, rotatable through 360°.
- Vertical phototube for microphotography and digital imaging.
- Diopter adjustment ring on ocular tube.
- Inter-pupillary distance adjustable from 48 mm to 75 mm.
- Compound trinocular with teaching head face-to-face.

Eyepieces (Anti-Fungal Coated)

- Extra Wide Field 10X eyepieces (pair).



- Field of View (FOV): 25mm/22mm
- Ocular diameter: 30 mm.
- Anti-mold and anti-fungus coated optics.

Objective Lenses (Infinity Corrected, Anti-Mold & Anti-Fungus Coated)

High-performance objective lenses suitable for bright-field observation.

Optical Performance:

- Objective transmittance is 80-90%

Standard Objectives

- Plan Semi Apochromat 4X, N.A. 0.13, WD 17 mm
- Plan Semi Apochromat 10X, N.A. 0.30, WD 10 mm
- Plan Semi Apochromat 20X
- Plan Apochromat 40X, N.A. 0.75, WD 0.5 mm
- Plan Apochromat 100X Oil, N.A. 1.25 or higher, WD 0.2 mm
- (Optional) Plan Apochromat 60X Oil, N.A. 1.42, WD 0.2 mm
- (Optional) Plan Achromatic 2X objective.
- (Optional) Plan Semi Apochromat 20X Phase Contrast
- (Optional) Plan Semi Apochromat 40X Phase Contrast

Nosepiece

- Reverse angle Septuple (7-position) nosepiece mounted on ball bearings.
- Provision/slot for Polarizer and DIC (Differential Interference Contrast) accessories.

Compatible Software Features

User friendly UI, Licensed imaging software for image acquisition & analysis, having feature Auto measurement, Auto/manual counting, Channel merging, annotation, ROI, live cell imaging, AVI live-stream capture, capturing and data saving, time lapse image capturing, Live image capture, multi-channel, multi-point image capture, report generator facility etc.