

Visoria Microscope Specifications

Microscope

Size and weight: Length: 410 mm, width: 331 mm, height: 505 mm, approx. 18 kg (depending on configuration)

Stand: Illumination toggle buttons with status indicator, image capture button, built-in analyzer slot, antimicrobial surface with AgTreat according to ISO 22196

Optics

Nosepiece: Encoded 5x (M32), encoded 6x (M25)

Eyepieces (FOV): 20 / 22 / 25 mm

Tubes: Wide range of standard, ergonomic and phototubes available, with different beam splitters available

Digital version: Digital version with 10" screen / tablet

Ergonomic accessories: Wide range of ergonomic accessories available (ErgoTubes, ErgoLift, ErgoModules)

Encoded illumination management: IL and TL: High-power white LED, encoded 4-color fluorescence illumination, further external light sources on request (non-encoded)

Incident light axis: Manual encoded, 4-fold filter turret, color-coded diaphragm assistant; aperture diaphragm, slots for analyzer / polarizer, two filter positions

Fluorescence light axis: Optional

Incident light (IL): Methods: Brightfield (with BF cube or Smith reflector), darkfield, DIC, fluorescence, oblique illumination, qualitative polarization

Transmitted light axis: Manual, fixed and flip-top condenser operation with color-coded diaphragm assistant

Transmitted light (TL): Methods: Brightfield, darkfield, phase contrast, DIC, qualitative polarization

Operation

Stage: Stages are exchangeable and height-adjustable. manual XY-stage 76 x 50 mm / 3-plate stage (4 x 4), additional stages (incl. rotating or large-sample stages)

Stage control: Left-, right-handed stage, torque-adjustable handle

Focus drive: Height-adjustable focus knobs, 19 mm travel range, maximum 28 mm total stage stroke depending on stage and condenser type, 2-gear focus drive (coarse / fine) with 140, 4 and 1 μm scale, torque adjustment, and adjustable upper focus stop

Accessories

Analyzer: Fixed, 180 degrees, 360 degrees

Polarizer: Fixed, 0 / 45 / 90 degrees, 90 degrees with rotatable lambda plate, 360 degrees, fixed with lambda plate

General specifications

Supply voltage: 100-240 V AC, 50 / 60 Hz, power consumption max. 15 W

Ambient conditions: 15-35 degreesC, relative humidity max. 80% up to 30 degreesC (non-condensing)