



Model:  
**B-510DK**

Typology:  
**ROUTINE MICROSCOPE**

**Description:**  
*Educational and laboratory microscope for routine applications. Dye-cast frame, with high stability and ergonomy, for transmitted light observation.*

<b>Illumination</b>	<p>Light source: X-LED<sup>3</sup>; light intensity control using a knob on left side of the frame.  LED power: 3.6 W, comparable to a 50 W halogen bulb.  Color temperature: 6,300 K  LED average lifetime: 50,000 h  Power supply: Input 110/240 Vac, 50/60 Hz; Output 6 Vdc 2.5 A  Max. required power: 6 W</p> <p><u>Darkfield illuminator based on high-efficiency LED.</u></p> <p>Köhler illumination system with Field Diaphragm.</p>
<b>Observation Modes</b>	Brightfield, darkfield.
<b>Focusing</b>	<p>Coaxial coarse and fine focusing mechanism (graduated, 0.002mm) with upper stop, to prevent the contact between objective and specimen.  Flat fine focusing knob on the right side.  Adjustable tension of coarse focusing knob.</p>
<b>Stage</b>	<p>Double layer with mechanical sliding stage, size 233x147 mm, X-Y movement range 78x54 mm. Belt-drive in X direction.  Vernier scale on two axes, accuracy 0.1 mm.</p>
<b>Nosepiece</b>	Quintuple revolving nosepiece, rotation on ball bearings.
<b>Head</b>	<p>Trinocular observation head, inclined 30° and rotatable 360°  Diopter adjustment on left eyepiece (+ - 5 diopter adjustment).  Interpupillary adjustment 50 - 75 mm  Fixed photo port, 50/50 ratio.</p>
<b>Eyepieces</b>	Plan Extra Wide Field, PL 10x/22, with field number 22
<b>Objectives</b>	<p>Infinity corrected optical system IOS.</p> <ul style="list-style-type: none"> <li>-) IOS W-PLAN 4x/0.10, W.D. 17.3 mm</li> <li>-) IOS W-PLAN 10x/0.25, W.D. 10 mm</li> <li>-) IOS W-PLAN 40x/0.65, W.D. 0.54 mm</li> <li>-) IOS W-PLAN 100x/0.36 - 1.25, W.D. 0.18 mm, with iris (oil immersion)</li> </ul> <p>All objectives have anti-fungus treatment.</p>
<b>Condenser</b>	<p>Swing-out type condenser, sliding-in, N.A. 0.2/0.9, with centering system.  Darkfield condenser N.A. 1.36 with built-in X-LED.</p>
<b>Dimensions</b>	<p>HEIGHT: 420 mm  WIDTH: 255 mm  DEPTH: 400 mm  WEIGHT: 5 kg</p>
<b>Accessories</b>	<p>Centering Telescope included.  Instruction manual and dust cover included.</p>