

### **Model CB800EB**

Optical system: Infinite optical system

Viewing head: Ergonomic Tilttable Binocular head inclined 5-35°, oculars lifted up 38 mm by keeping the same interpupillary distance. Interpupillary distance adjustment.

Eyeiece: Extra wide eyepiece EW10x/22mm (FN), +/-5 diopter adjustment.

Stage: Double Layers metal alloy mechanical stage, fixed with metal 2 glass slide clips.

Objective: Infinite High Contrast Plan Achromatic Objective

Infinite High Contrast Plan Achromatic Objective 4x, NA 0,10

Infinite High Contrast Plan Achromatic Objective 10x, NA 0,25

Infinite High Contrast Plan Achromatic Objective 40x, NA 0,65 obj. protect spring WD with cov.gl. 0,70

Infinite High Contrast Plan Achromatic Objective 100x, oil immers., NA 1,25 spring WD with cov.gl. 0,20

Nosepiece: Quintuple

Integral focusing system: Coaxial coarse and fine adjustment w.o. additional accessories, moving range 25mm. Course focus handle tightening. Changeable top focus margin.

X/Y stage mechanical stage moving range 75x55 mm

Swing out achromatic Abbe condenser NA 1,25 adjustable height with iris diaphragm. Glass.

Aperture diaphragm positions indication according to objectives

Max Distance from table top till ocular (center of eyepieces) 435 mm.

Microscope stand metal, fixed, stand stabilisation weight: 6 kg.

LED illumination: 3W LED, matrix leans, handle for ajustment of illumination intensity.

Near to day light LED spectrum.

230 V 50 Hz

5 ml immersion oil, microscope cover

Warranty 24 month

### **Model CB800ET**

Optical system: Infinite optical system

Viewing head: Ergonomic Tilttable Trinocular head inclined 5-35°, oculars lifted 38 mm by keeping the same interpupillary distance. Interpupillary distance adjustment.

Eyeiece: Extra wide eyepiece EW10x/22mm (FN), +/-5 diopter adjustment.

Stage: Double Layers metal alloy mechanical stage, fixed with metal 2 glass slide clips.

Objective: Infinite High Contrast Plan Achromatic Objective

Infinite High Contrast Plan Achromatic Objective 4x, NA 0,10

Infinite High Contrast Plan Achromatic Objective 10x, NA 0,25

Infinite High Contrast Plan Achromatic Objective 40x, NA 0,65 obj. protect spring WD with cov.gl. 0,70

Infinite High Contrast Plan Achromatic Objective 100x, oil, NA 1,25 obj. protect spring WD with cov.gl. 0,20

Nosepiece: Quintuple

Integral focusing system and pre-focusing: Coaxial coarse and fine adjustment w.o. additional accessories, moving range 25mm. Course focus handle tightening. Exchangable top focusing margin.

X/Y stage mechanical stage moving range 80x55 mm

Swing out achromatic Abbe condenser NA 1,25 adjustable height with iris diaphragm. Glass.

Aperture diaphragm positions indication according to objectives

Max Distance from table top till ocular (center of eyepieces) 435 mm.

Digital Color image camera 8.0 MP resolution.

--Professional and Multifunctional software for PC --IOS/Android applications for smart phones or tablets

--Windows/Linux/macOS/Android multiple platforms

Images Data transfer to Windows operating system

- The camera uses a standard C-mount interface for maximum compatibility with various microscopy-systems. T -mount as an option.

- Data transfer via USB connection (to a computer) and wireless connection (to a tablet, smartphone (Android, iOS), computer); transfer rate 10-30 fps.

- An image broadcasting program for Android / iOS operating systems.

- Calibration slide for measuring micrographs, adapted to calibrate the camera; a calibration division 10 microns.

- A computer program compatible microscope with video camera:

(a) take images, monitor the live image on the user's computer;

b) to measure the lengths, areas, angles of the observed objects; (SI)

c) edit images (illumination, contrast); transform data into EXCEL type tables.

Microscope metal stand, fixed, stabilisation weight: 7 kg.

LED illumination: 3W LED, matrix lens, handle for adjustment of illumination intensity.

Near to day light LED spectrum.

230 V 50 Hz

50 ml immersion oil, microscope cover

Warranty 24 month