

Delphi-X Observer Microscope

Item# EDX-1053-PLI

For anatomic pathology

Eyepieces

- Super wide field SWF10x/25mm, ø30mm tubes.

Head

- Siedentopf trinocular head with 30° inclined tubes. Interpupillary distance adjustable between 47 and 78mm. With an optical path selector (100:0/ 80:20/ 0:100). Diopter +/- adjustments on both eyepieces.

Nosepiece

- Revolving sextuple (6) reversed nosepiece on ball bearings with M25 objectives mounting threads and slot for optional DIC prism(s).

Enhanced Infinity System (EIS)

- The enhanced infinity system (EIS) of the Delphi-X Observer consists of Super wide field SWF 10x/25mm eyepieces, high numerical aperture 60mm parfocal objectives and a 200mm focal length tube lens. The 200mm focal length tube lens reduces the angle of the light rays passing the optics to significantly improve the chromatic aberration corrections and contrast. The objectives have a larger diameter enabling a much higher numerical aperture, thus improving the overall resolving power of the optical system. For all these reasons the Delphi-X Observer offers superior optical performance for the most demanding applications.

Plan Achromatic EIS Objectives

- The Delphi-X Observer is standard supplied with infinite Plan Achromatic EIS:
- PLI 4x/0.10 WD 30mm
- PLI 10x/0.25 WD 10.2mm
- PLI 20x/0.40 WD 12mm
- PLI 40x/0.65 spring WD 0.7mm
- **Total magnification: 400x**

All optics are anti-fungus treated and anti-reflection coated for maximum light throughput.

Stage

- 190 x 152mm stage with 78 x 32mm integrated right-handed mechanical stage. Supplied with scratch-resistant Gorilla glass. (Sapphire scratch-resistant glass or left-handed mechanical stage are available upon request).

Focusing

- Coaxial coarse and fine adjustment, 100 graduations, 1µm precision, 100µm per rotation, total travel range is approximately 35mm. Supplied with an adjustable rack stop to prevent damage on sample and objectives. Friction control at the coarse adjustment knob.



Condenser For Brightfield

- In height adjustable N.A. 0.90/1.25 Abbe swing-out condenser with numerical aperture identification marks.

Illumination

- Intensity adjustable 3W Köhler NeoLED™ illumination with internal 100-240V power supply and a neutral density filter.

Neoled™

- The innovative NeoLED™ design is a combination of a custom LED and a specially designed thin lens with a short focal length in order to obtain three main benefits:
 - More oblique light from the LED light source can be captured, which increases the light output significantly.
 - Less energy is required to achieve this level of light intensity.
 - The larger aperture of NeoLED™ allows the optical system to produce images at higher resolutions.

iCare Sensor

- The unique iCare Sensor is developed to avoid unnecessary loss of energy. The illumination of the microscope automatically switches off shortly after microscopists step away from their position.

Carrying Grip

- The carrying grip at the back of the microscope ensures safe transportation of the microscope and the integrated tool & holder makes sure the right tool is always available.

Package Contents

- Supplied with power cord, dust cover, a spare fuse, user manual and 5ml immersion oil.