OPTIC-NANOBTS Series Biological Compound Research Grade Microscope with Ceramic Stage, Display

Product Details

Product Number	PRO6441

Technical Specification:

- Convenient, comfortable and efficient.
- The NEW OPTIC-NANOBTS Biological Microscope is designed for Universities, Laboratories in the field of Biomedicine, Veterinary etc.
- High quality, excellent optical system, and comfortable to use.
- Various additional techniques such as Dark Field, Phase Contrast, Polarization, Fluorescence
- Rechargeable by using a USB Portable Power Source.
- When connected to mains you can recharge your Cell Phones and Tablets.
- Adjustable eye-point height by rotating the Binocular head.
- Wide Field WF 10x(22) eyepieces
- Objectives infinity Plan Achromatic or semi- apochromatic.
- Range of C mounts for cameras 0.35x, 0.5x,0.65x,1.0x
- Double layer rack-less x axis ceramic stage with stage clips to hold 2 std slides
- Bright 5W LED variable illumination

Viewing head: 30° gemel trinocular,360° rotatable, splitting ratio R:T=50:50, adjustable eye-point height can adapt to operators of different heights.

Eyepiece: Wide filed plan eyepiece PL10X22mm, diopter adjustable.

Objective: infinity plan achromatic objective 4X/10X/40X/100X.

Nosepiece: Quintuple.

Stage: Double layers mechanical ceramic paint stage, precision: 0.1mm X-axis reckless, clips for double sliders,

moving range: 78x51mm

Condenser: NA 1.25 Koehler illuminator with socket for phase contrast and dark filed accessories, with aperture diaphragm.

Illumination: 100-240V external transformer, 5W LED with continuous intensity control.

Additional power source: type-c interface allows portable battery as a power source,

USB port: supports the microscope to charge a phone or tablet,

LCD Display: ECO energy saving function, objective brightness memory and color temperature adjustable function, the adjustment range: 3000-7000K.

User-friendly design: increases comfort and safety The OPTIC-NANOBTS is equipped with a secure handle for moving; •Fully concealed locking design eliminates all sharp edges; Low hand coarse and fine coaxial focus system is ergonomically designed to give the user maximum comfort; • There is a storage device at the back of the body to ensure the cleanliness,, saving storage space and improving portability.

Various observations such as bright field, dark field and phase contrast can meet the needs of routine teaching and experimental observation

Bright field observation The professional plan achromatic objective, with the use of the Kohler illumination system, adjusts the image to the best condition by adjusting the aperture diaphragm and the field diaphragm. High-resolution, high-contrast microscopic images can be obtained whether at low or high magnification.

Phase contrast observation It is suitable for observing samples with high transparency, such as cells, bacteria and other tiny, transparent objects in biological specimens.

Dark field observation Diatom 20X phase contrast Insert the dark field kit into the socket of the condenser and push the dark field diaphragm into the optical path to achieve simple dark field observation. Without replacing the special dark field condenser, dark field observation can be performed on any magnification objective in the range of 4X-40X, which can be used to observe protozoa, bacterial flagella, spirochetes and other substances.

Accessories: