



The DTenhiln LCD 500 from Levenhuk is a modern, versatile digital microscope, useful in school class as well as in the field or even in a workshop or production plant. Equipped with a large, 3.5-inch, self-lighting and power supply lithium-ion battery, allowing up to 2 hours of work without the need for mains power. The microscope allows you to take photos and videos that can be saved on a microSD card or transferred directly to the computer. Observation of the object is possible both on the microscope's own screen, as well as on the external monitor or computer screen, and the image can be sent to a multimedia projector via a computer. Characteristics

- matrix with a physical resolution of 5 Mpix allows you to take pictures with very high resolution and detail
- Lithium-ion battery makes the user independent of mains power, enabling field work
- A 5-element glass lens with an infrared filter produces sharper images
- the microscope is equipped with a 3.5 inch TFT LCD color display (3.5 "TFT LCD) with a built-in controller, thanks to which it is possible to work with a microscope without using a computer
- magnification from 4x to 160x for portable operation on the LCD screen (note: when working on a computer or external monitor, magnification depends on the size of the monitor)
- movable stage allows observation of objects of various sizes in a wide range of magnifications
- TV output allows you to display the image on a large monitor / TV in the school or laboratory
- the computer software and the calibration foil are enabled to take measurements of objects
- the microscope can be connected to computers running Windows and MacOS via the USB port

Technical parameters

- resolution of a photosensitive matrix: 5 million pixels
- compatibility with computers: Windows XP / Vista / 7/8/10, Mac 10.6-10.10
- Weight: 1,400 g
- Dimensions: 149 mm x 104 mm x 227 mm
- LCD display: 3.5 inches (90 mm) TFT LCD 4: 3, with 4x digital zoom
- LSC screen resolution: 320 x 240 pixels
- connection with a computer: USB 2.0
- minimum magnification: 4x on LCD, 20x on a computer
- maximum magnification: 160x on LCD, 200x on a computer
- video recording mode: yes, VGA resolution, 30 frames per second
- shutter speed: 1/1000 to 1 second
- lens: 5-element, cutting out infrared, glass
- microscope sharpness range: from 10 mm to infinity
- lighting: 8 x LED, with adjustable brightness
- frequency control: 50 Hz / 60 Hz
- single image resolution: 5MP, 3MP, 1.3MP, VGA, 12MP (interpolated)
- stage: adjustable top - bottom, with metal legs and scale
- battery: 1050 mAh Li-Ion, 2 hours of continuous operation

Elements of the set

- a microscope with a built-in LCD display
- USB 2.0 cable
- 230 V mains adapter
- cable for TV out / AV
- control and measuring software language on a CD: English, German, Russian, French, Spanish, Italian, Dutch, Polish, Portuguese, Chinese, Korean, Japanese
- calibration plate
- Lithium-ion battery / rechargeable battery
- user manual in Polish and in other languages

Warranty 2-year shop warranty, lifetime manufacturer's warranty (below: photos taken with this microscope - click to view full size)