



Levenhuk DTX 500 Mobi is a portable microscope with a built-in 3 "color LCD display .This model provides a magnification of 20 to 500 times and has the option of smooth digital zoom up to 4x. The Levenhuk DTX 500 Mobi microscope is ideal for observation of all surfaces, both in the workshop and in the field.It is an excellent product for inspecting the surface of various details or as an educational gift. The Levenhuk DTX 500 Mobi digital microscope allows you to take pictures and record videos of observed objects, as well as observation on an external monitor or computer screen and through the computer the image can be transferred to a multimedia projector. All files created

during the observation are saved on the microSD card. To transfer photos and videos to your computer, simply connect the microscope to it using the included USB cable. The set also includes special software for editing created files and performing precise measurements of linear quantities, angles and radius of tested samples to an accuracy of 1 micrometer. The Levenhuk DTX 500 Mobi digital microscope is powered by a lithium-ion battery attached to the kit that allows 4 hours of wireless work. The housing of the microscope is covered with rubber, making it pleasant to touch and prevents the device from slipping out of the hand. Characteristics

- the microscope is equipped with a rotating color display of 3" (TFT LCD) with a built-in controller, thanks to which it is possible to work with a microscope without the need of a computer
- 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
- magnification from 20x to 500x 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
- LCD display: 3 inches (7.5 cm) TFT LCD 4: 3, with 4x digital zoom
- screen resolution: 320 x 240 pixels
- connection with a computer: USB 2.0
- maximum magnification: 500x
- video recording mode: yes, VGA resolution, 30 frames per second
- shutter speed: 1/1000 to 1 second
- lens: 5-element, cutting out infrared, glass
- focusing range of the microscope: from 0 to 30 mm
- lighting: 8 x LED, with adjustable brightness
- frequency control: 50 Hz / 60 Hz
- single image resolution: 5MP, 3MP, 1.3MP, VGA, 12MP (interpolated)
- battery: 220 V / 5 V, 50 Hz AC; 5 V, 1 A at the output, lithium-ion 3.7 V / 1050 mAh runtime: 4 hours, charging time: 5 hours
- weight: 0.7 kg, including battery

Elements of the set

- microscope with built-in 3" 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)