

## MICROBLUE DIGITAL MICROSCOPE

147-200-BUNDLE\*



## PRODUCT DESCRIPTION

**The MicroBlue LCD is an entry-level digital microscope, providing you with an affordable option for getting started with digital microscopy.**

The included 7" LCD screen helps to reduce eye fatigue by allowing live viewing, with a basic line measurement function. It's ability to save images and videos to its SD card enables easy transfer to a computer to further examine or add to patient records.

The MicroBlue microscope comes with an integrated mechanical stage, Abbe condenser and 35mm achromatic objectives.

Digital screen not always suitable for you? You can add a binocular head and your choice of lens to the microscope for use without the tablet. This also enables the microscope to be portable, running off rechargeable batteries.

The microscope can run off of AA batteries, but the tablet will not operate on AA batteries. Change the tablet out for a binocular head if you wish to work from AA batteries.

**Camera:** Equipped with a 5.0MP 1/2" CMOS USB 2.0 camera with a max resolution of 2560 x 1920, 24 bits of colour depth, and up to 30 frames per second. Supplied with USB-2.0 cable and micrometer 1mm/100 slide.

**Software:** The capture and analysis ImageFocus Plus software allows to save images in .jpg, tif, bmp or .dicom formats as well as .avi format videos. Measurements and annotations can be taken on live or captured images. Compatible with Windows 10 and 11, both 32 and 64 bits configurations. A Mac OS version is also available. Free software and updates can be downloaded from [www.euromex.com](http://www.euromex.com).

**LCD Screen:** 7" LCD screen, with all the features of the regular BioBlue, allowing live viewing, and the saving of images and videos directly to microSD card. Screen resolution 1920 x 1080 @ 30 fps, image resolution up to 1844 x 1080 in JPG and video resolution 1280 x 720 AVI format.

### Key Features:

- Incredibly light and compact, ideal for small spaces.
- Includes everything you need to get started with digital microscopy.
- Integrated X-Y mechanical stage
- APL (Antimicrobial protection layer) Preventing the growth of unwanted microbes that can cause degradation, discolouration, staining or odours.
- Revolving reversed nosepiece
- Five years warranty (on the microscope).
- Supplied with x4, x10, x540 and x100 objective lens.

### Specifications:

- **Head:** Digital screen as standard + additional binocular available
- **Nosepiece:** Revolving nosepiece for 4 reversed objectives on ball bearings.
- **Focusing:** Coaxial coarse and fine adjustments, 200 graduations, 15 um per graduation, 3 mm per rotation, total travel approximately 15mm / Supplied with an adjustable rack stop to prevent damage to the sample and objectives / The coarse adjustments are equipped with friction control.
- **Stage:** Supplied with 115 x 100mm stage with integrated 55 x 20mm X-Y mechanical stage.
- **Condenser:** Single N.A 0.65 condenser with a built-in iris diaphragm.
- **Illumination:** Adjustable 1W LED illumination.
- **Software:** The ImageFocus 4 software allows you to save images in jpeg, tif, bmp, or .dicom formats as well as .avi format videos / Measurements can be done on still and live image / Compatible with Windows 10 and higher, both 32 and 64 bits configurations / MAC OS-Light version is also available for capturing images / Free updates can be downloaded on the website [www.euromex.com](http://www.euromex.com).
- **LCD Screen:** Equipped with a 7" IPS LCD Screen / Resolution: 1920 x 1080 @ 30fp / Save images and videos directly to micro-SD card / Jpeg image resolution up to 1844 x 1080 / Video resolution: 1280 x 720 .AVI format / Basic measurement function with calibration / Warranty: 2 years.
- **Microscope Power Supply:** External mains adapters (100-240V)to 4.5V/1A
- **LCD Screen Power Supply:** External mains adapter lead to 5V/1A plug
- **Dimensions:** 378mmH x 179mmW x 202mmD
- **Weight:** 2.48kg

## ADDITIONAL INFORMATION

<b>Animal</b>	N/A
<b>SKU</b>	147-200-bundle*
<b>Bulb Type</b>	LED
<b>Objective Type</b>	Achromatic
<b>Supplied Objectives</b>	100x (Oil), 10x, 40x S, 4x
<b>Microscope Complete Kit</b>	Yes

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