

EduBlue LCD

digital microscope

HIGHLIGHTS

- MonoZoom stand-alone digital microscope
- Magnification 8x up to 54x optically and up to 540x digitally
- 91 mm working distance
- Provided with APL (Antimicrobial Protection Layer)
- Built-in 21 LED incident ring light, five intensity positions
- Built-in 7 LED transmitted, two intensity positions
- Built-in 5 MP HD camera
- HD 9-inch screen
- Removable 16 GB SD card
- Metal stand
- 3 years warranty (2 years on camera)

TECHNICAL SPECIFICATIONS

CENTRAL ZOOM OBJECTIVE

The EduBlue LCD ED.3000 features a single optical zoom objective with a 0.7 to 4.5 zoom magnification. This allows an on-screen magnification from 8 to 54x. Zoom adjustments engravings on 0.7x 0.8x 1x 1.5x 2x 3x 4x and 4.5x. The working distance is 91 mm. A digital zoom up to 10x is available within the software, allowing a digital magnification upto 540x

STAND

The central Zoom Objective with attached screen and LED ring light is mounted on a rack and pinion system that sits on a 30 x 180 mm metal stand

ILLUMINATION

Two types of illumination are available;

- An integrated 21 LED incident ring light illumination (5.500 K) with five intensity positions
- A 7 LED transmitted illumination (5.785 K) with two intensity positions, integrated in the base

BUILT-IN CAMERA

Built-in HD 5 MP CMOS high speed camera with attached 9" screen, 2592*1944@60fps. (Frame rates have been determined at optimal conditions) There is one USB port for a max. 16 GB SD storage card for captured images. The operator can take and save images to the SD card by pressing on a capture button at the left side of the screen. Images are saved in the .jpg format and videos are saved in .avi format

ED.3000



ED.3000

425/475 (h) x 180 (w) x 230 mm (d) | 2.3 kg

BUILT-IN SOFTWARE

The built-in on screen software is driven by the supplied computer mouse and features functions such as Capture image, Freeze image, Automatic white balance, Automatic exposition, File manager, Grids. Also camera settings such as Exposure time, Gain, Saturation, Contrast, Sharpness and HDR

PACKAGE CONTENT

Supplied with 16 GB SD card, black/white object plate, a glass transparent object plate and external 12V / 2A power supply

APL (ANTIMICROBIAL PROTECTION LAYER)

Using the same technology already used extensively throughout the healthcare environment in wall coatings, patient lighting, air pressure stabilization and suction liners, APL prevents the growth of unwanted microbes that can cause degradation, discoloration, staining or odors of the Euromex microscopes

Adjustable screen



MODEL	Optical magnification	Digital magnification	Working distance	Camera sensor	LCD screen	Incident ring illumination	Transmitted illumination
ED.3000	8 to 54 times	up to 540 times	91 mm	5 MP	9 inch	21 LEDs	7 LEDs


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