



## EduBlue

### HIGHLIGHTS

- Designed for education
- Robust and sturdy, with secured eyepieces
- WF 10x/20 mm eyepieces
- Dual or triple magnifications
- Binocular and trinocular models available
- Provided with APL (Anti-bacterial Protection Layer)
- Quick focus scale
- 1 W LED illumination
- With rechargeable batteries for cordless use
- Digital models with 4.0 MP WiFi camera available
- Ergonomic carrying grip
- 5 years warranty



### TECHNICAL SPECIFICATIONS

#### EYEPIECE

Pair of secured WF10x/20 mm eyepieces supplied with eyecups

#### HEAD

- Binocular head with 45° inclined tubes
- Trinocular head with 45° inclined tubes and 23,2mm tube. The standard trinocular tube accepts all standard 23.2 mm C-mount objectives
- Diopter adjustment of  $\pm 5$  on one side
- Interpupillary distance adjustable between 55 and 75 mm
- Digital head is supplied with a 4.0 MP USB-2, 1/1.8" CMOS WiFi camera with a maximum of resolution of 2688 x 1512 pixels

#### DUAL MAGNIFICATION OBJECTIVES

- Revolving nosepiece with dual 1x/3x and 2x/4x, which can provide standard magnifications of 10x and 30x or 20x and 40x
- Working distance 60 mm
- Field of view of 20/6.7 mm or 10/5 mm
- Magnifications can be altered using optional eyepieces

*All optics are anti-fungus treated and anti-reflection coated for maximum light throughput*

#### TRIPLE MAGNIFICATION OBJECTIVES

- Revolving nosepiece with triple 1x/2x/3x and 1x/2x/4x, which can provide standard magnifications of 10x, 20x and 30x or 10x, 20x and 40x
- Working distance 60 mm
- Field of views of 20/10/6.7 mm or 20/10/5mm
- Magnifications can be altered using optional eyepieces

#### STAND

- The rack & pinion and pillar stands of the EduBlue are equipped with ergonomic designed flat bases, complete with 2 object clamps and Ø 60 mm transparent and black/white stage plate
- The coarse adjustment is equipped with tension control

EED-1302-P / EED-1402-P

225 (h) x 175 (w) x 220 mm (d) | 2.4 kg

EED-1302-S / EED-1402-S

260 (h) x 175 (w) x 220 mm (d) | 2.1 kg

EED-1303-S / EED-1403-S

260 (h) x 175 (w) x 220 mm (d) | 2.2 kg

EED-1505-S / EED-1805-S

260 (h) x 175 (w) x 220 mm (d) | 2.3 kg

EED-1302-EVO / EED-1402-EVO

260 (h) x 175 (w) x 220 mm (d) | 2.5 kg

- The stands are alloy metal casted with hardened coating
- The rack & pinion stands of the EduBlue are equipped with graduations and focus point indicator for quick focussing
- EVO models are equipped with a build-in moveable object stage

#### DUAL ILLUMINATION SYSTEM

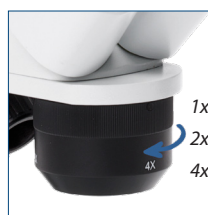
Easily switch between:

- 1 W white LED: 6000–6500 K, ideal for standard observations with crisp, cool illumination
- 1 W colored LED: 3000–3200 K, enhances contrast for specific applications, such as observing transparent objects
- 60 mm working distance
- Evo models feature an additional flexible arm with 1 W LED illumination

*All EduBlue microscopes are supplied with rechargeable AA batteries for cordless operation and an external 5 V DC power adapter*

#### PACKAGE CONTENT

- Supplied with an external 100-240 V mains adapter/charger and three rechargeable batteries for corded and cordless use, dust cover, Ø 60 mm transparent and black/white stage plates, eyecups and user manual
- All packed in a polystyrene box



Triple magnification



Quick focus scale



Moveable object stage

## DIGITAL MODELS

### CAMERA

- Digital head is supplied with a 4.0 MP USB-2 1/1.8" CMOS WiFi camera
- A maximum resolution of 2688 x 1512, 30 fps (Frame rates have been determined at optimal conditions)
- 12 bits grayscale conversion and 24 bits color rendering
- The camera streams H.264 encoded high resolution images simultaneously to several WiFi enabled smartphones, tablets or computers with iOS, Android and Windows operating systems
- It can also operate via USB 2 and ethernet in combination with a PC or Mac computer
- Delivered with a micrometer 1mm/100 calibration slide
- Warranty for the camera is 2 years



### 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

### SOFTWARE

- ImageFocus Alpha software can be used for Windows based devices and WiFi connected PC and is supplied on CD
- Apps for Android for this camera are supplied on cd or can be downloaded from this page under Downloads (free of charge) or from the Apple Store (free of charge)
- Delivered with ImageFocus Alpha for capturing of images and videos
- This software also allows a full range of analysis like measurements on still and live images and annotations on captured images
- Save images in .jpg, .tif, .bmp or .dicom formats, save videos in .avi format
- Images can be annotated and measurements can be performed on live or captured images
- Compatible with Windows 10 and higher, all 32 and 64 bits configurations
- A Mac OS version is available
- Updates can be downloaded on our website [www.euromex.com](http://www.euromex.com)

| MODELS       | Bino | Trino | Digital head + WiFi | 1x/3x objectives | 2x/4x objectives | 1x/2x/3x objectives | 1x/2x/4x objectives | Pillar stand | Rack & pinion stand | Movable stage/ flexible light arm |
|--------------|------|-------|---------------------|------------------|------------------|---------------------|---------------------|--------------|---------------------|-----------------------------------|
| EED-1302-P   | •    |       |                     | •                |                  |                     |                     | •            |                     |                                   |
| EED-1302-S   | •    |       |                     | •                |                  |                     |                     |              | •                   |                                   |
| EED-1303-S   |      | •     |                     | •                |                  |                     |                     |              | •                   |                                   |
| EED-1402-P   | •    |       |                     |                  | •                |                     |                     | •            |                     |                                   |
| EED-1402-S   | •    |       |                     |                  | •                |                     |                     |              | •                   |                                   |
| EED-1403-S   |      | •     |                     |                  | •                |                     |                     |              | •                   |                                   |
| EED-1405-SW  |      |       | •                   |                  | •                |                     |                     |              | •                   |                                   |
| EED-1502-S   | •    |       |                     |                  |                  | •                   |                     |              | •                   |                                   |
| EED-1802-S   | •    |       |                     |                  |                  |                     | •                   |              | •                   |                                   |
| EED-1805-SW  |      |       | •                   |                  |                  |                     | •                   |              | •                   |                                   |
| EED-1302-EVO | •    |       |                     | •                |                  |                     |                     |              | •                   | •                                 |
| EED-1402-EVO | •    |       |                     |                  | •                |                     |                     |              | •                   | •                                 |



● EED-1302-P



● EED-1405-S



● EED-1303-S



● EED-1402-EVO

## ACCESSORIES AND SPARE PARTS

- EED-6005** Pair of HWF 5x/22 mm eyepieces
- EED-6010** Pair of HWF 10x/20 mm eyepieces
- EED-6015** Pair of HWF 15x/12 mm eyepieces
- EED-6020** Pair of HWF 20x/10 mm eyepieces
- EED-6110** HWF 10x/20 mm eyepiece with 10 mm/100 micrometer
- EED-6099** Pair of eyecups

- EED-9570** Pair of object clamps for stage
- EED-9950** Stage plate frosted glass, opaque, Ø 60 mm
- EED-9956** Stage plate black/white, Ø 60 mm
- EED-9975** External 100-240 V mains adapter/ charger
- EED-4300** Aluminium transport case for EduBlue microscopes.  
Not suitable for the EED-3000

- EAE-9918** Nylon microscope bag (25 x 39 x 19 cm)
- EAE-9912** Euromex dust cover medium (35 x 39 cm)
- ESL-5504** LED replacement unit for EduBlue, incident illumination
- ESL-5505** LED replacement unit for EduBlue, transmitted illumination

- EAE-9918** Nylon microscope bag (25 x 39 x 19 cm)
- EAE-9912** Euromex dust cover medium (35 x 39 cm)

- EAE-1112** Micrometer 76 x 26 mm slide, 50 mm/50 divisions
- EPB-5245** Lens cleaning paper, 100 sheets per pack
- EPB-5274** Isopropyl alcohol 99% (200 ml)
- EPB-5275** Cleaning kit: lens cleaning fluid, lint free lens tissue, brush, air blower, cotton swabs



● EED-4300

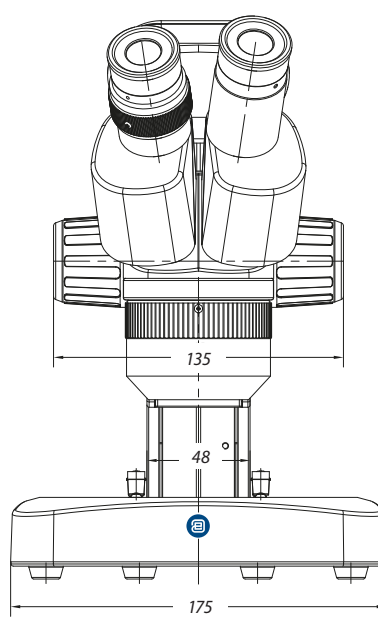
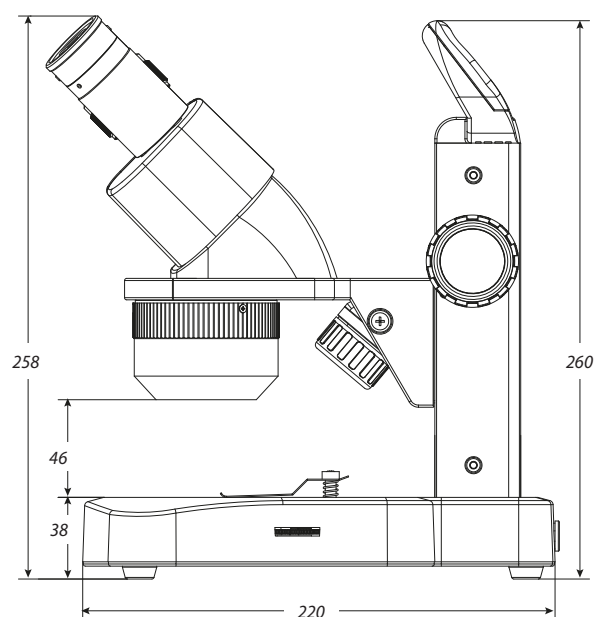


● EAE-9918



● EAE-9912

## DIMENSIONS



[www.euromex.com](http://www.euromex.com)