BlueScope

HIGHLIGHTS

- WF 10x/20 mm eyepieces
- Monocular, binocular and trinocular models
- Monocular and binocular models with integrated 5.0 MP camera
- Plan IOS infinity optical system models
- Full digital models with a 7" LCD screen
- Universal USB-C 5V charging port
- Smart storage compartment
- Slot for polarization filter
- Integrated mechanical X-Y stage
- Color-coded height adjustable condenser
- Köhler illumination
- Dual colored illumination: 3 W white & halogen colored NeoLED™
- Quick focus aid
- 10 Years warranty



● *EBL-1152*

EBL-XXX1 MONO	370 (h) x 169 (w) x 205 mm (d) | 2.8 kg
EBL-XXX2 BINO	365 (h) x 169 (w) x 205 mm (d) | 4.2 kg
EBL-XXX3 TRINO	409 (h) x 169 (w) x 205 mm (d) | 4.3 kg

SPECIFICATIONS

EYEPIECE(S)

Wide field WF 10x/20 mm secured eyepieces
The eyepiece of monocular models is supplied with pointer

HEAD

- Monocular models with 45° inclined tubes
- Binocular and trinocular models have 30° inclined tubes, interpupillary distance is adjustable between 48 and 75 mm and equipped with diopter adjustments ± 5 on both eyepieces
- All heads are 360° rotatable. The trinocular head has a fixed light path beam splitter (50:50) and generates an erect image
- The BlueScope can also be supplied with a discussion head
- Models with an integrated 5.0 MP CMOS camera, with a 7" LCD screen or tablet available (See chapter 8)

NOSEPIECE

Reversed quadruple nosepiece on ball bearings

OBJECTIVES

- BlueScope is available in two types of objectives, crips clear Semi Plan objectives, suitable for almost all operations. For the most demanding applications there is a BlueScope based on the infinity optical system with PLAN PLi IOS objectives. All objectives are 45mm parfocal, rms.

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

FOCUSING

- Coaxial coarse and fine adjustments with 100 graduations
- Precision 2 µm per graduation, 0.2 mm per rotation
- Total travel range is approximately 10 mm
- Supplied with an adjustable rack stop to prevent damage to sample and objectives
- Improved coarse & fine adjustment, which is equipped with tension control
- With quick focusing aid for finding the slides focusing region with ease

STAGE

Rackless 140 x 135 mm stage with mechanical 70 x 50 mm
X-Y translation stage

CONDENSER

Color coded, height adjustable Abbe condenser N.A. 1.25
with iris diaphragm and filter holder

KÖHLER ILLUMINATION

Köhler illumination ensures the highest possible contrast and the maximum achievable resolving power. It generates a uniform illumination of the sample and eliminates all interference from dust on lenses and side glare of the light source

DUAL ILLUMINATION SYSTEM

- 3 W white NeoLED™: 6000 – 6500 K, ideal for standard observations with crisp, cool lighting
- 3 W halogen colored NeoLED™: 3000 – 3200 K, enhances contrast for specific applications such as transparent objects

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

globe SCIENTIFIC

MODELS	Objective type	Mono	Bino	Trino	5 MP camera	5 MP + 12" Windows tablet	Fixed 7" LCD + built-in-camera	4/10/40x objectives	S60x objective	S100x objective	Mechanical X-Y Stage	Dual color NeoLED™
EBL.1051	Semi plan	•						•			•	•
EBL.1151	Semi plan	•						•		•	•	•
EBL.1651	Semi plan	•						•	•		•	•
EBL.1152	Semi plan		•					•		•	•	•
EBL.1652	Semi plan		•					•	•		•	•
EBL.1153	Semi plan			•				•		•	•	•
EBL.1653	Semi plan			•				•	•		•	•
EBL.1055	Semi plan	•			•			•			•	•
EBL.1155	Semi plan	•			•			•		•	•	•
EBL.1655	Semi plan	•			•			•	•		•	•
EBL.1057	Semi plan		•		•			•			•	•
EBL.1157	Semi plan		•		•			•		•	•	•
EBL.1657	Semi plan		•		•			•	•		•	•
EBL.1057-T	Semi plan		•			•		•			•	•
EBL.1157-T	Semi plan		•			•		•		•	•	•
EBL.1657-T	Semi plan		•			•		•	•		•	•
EBL.1050-LCD	Semi plan						•	•			•	•
EBL.1152-PLi	PLAN IOS		•					•		•	•	•
EBL.1153-PLi	PLAN IOS			•				•		•	•	•

QUICK FOCUS AID

The BlueScope is equipped with a quick focus aid

ANTI-THEFT SLOT

At the back of the microscope a Kensington Security slot is placed, which can be used to secure the instrument from theft

PACKAGE CONTENT

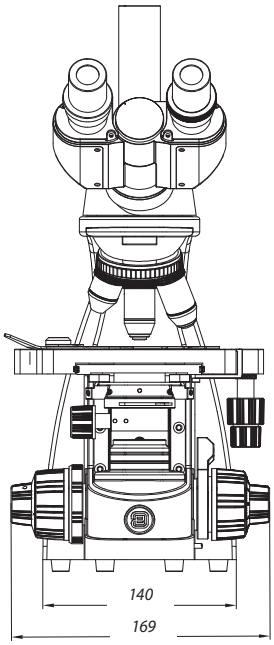
Supplied with blue filter, Allen key, 5 ml immersion oil, 100-240 Vac / 5 Vdc USB multi-plug power adapter, 3 rechargeable type AA batteries, manual and dust cover

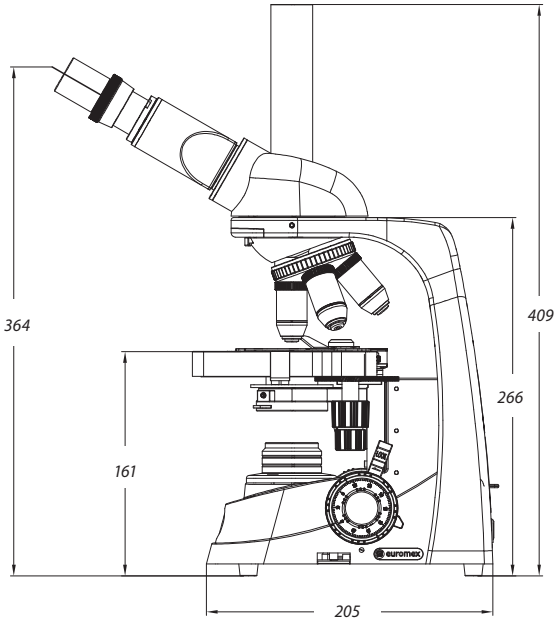




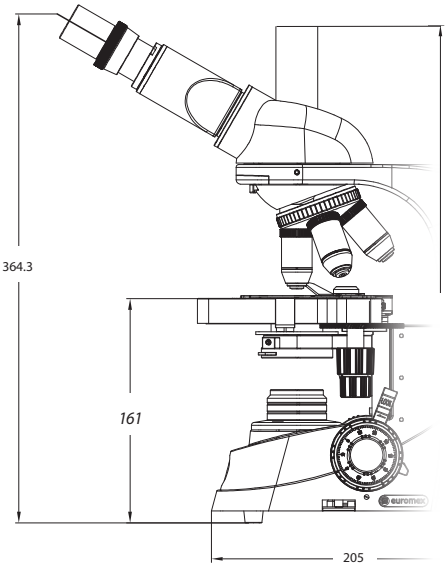
● *The back of the BlueScope*

DIMENSIONS





● *EBL.1153*



● *EBL.1153-Pli*

BlueScope

DIGITAL

HIGHLIGHTS

- **Monocular and binocular models with integrated 5.0 MP camera**
- **Models with a 12" windows tablet and integrated 5.0 MP camera**
- **Full digital models with a 7" LCD screen**
- **Dual Illumination System: white & halogen colored LED**
- **Universal USB-C 5V Power**
- **10 Years warranty (2 years on tablet and camera)**

SPECIFICATIONS

5 MP CAMERA SPECIFICATIONS

Sensor	5.0 MP 1/2.5 inch CMOS USB-2.0
Format	1/2.5 inch
Color depth	24 bits
Resolution	2592 x 1944 pixels (7 fps) 1280 x 960 pixels (27 fps)*
Dynamic range	76 dB
signal/noise ratio	41 dB

Supplied with USB-2.0 cable and a micrometer 1mm/100 calibration slide
Applicable to EBL.1055, EBL.1057 and EBL.1057-T

SOFTWARE

- The capture and analysis ImageFocus Alpha software allows to save images in .jpg, .tif, .bmp or .dicom formats as well as .avi format videos
- Measurements and annotations can be done on live or captured images
- Compatible with Windows 10 and higher, both 32 and 64 bits configurations
- A Mac OS version is also available
- Free software can be downloaded from our website

5 MP CAMERA WITH 12" WINDOWS TABLET

The EBL.1057-T combines an integrated 5 MP CMOS camera with a 12" Full HD Windows tablet, providing an all-in-one solution for viewing, capturing and analysing microscopic images. The tablet offers full access to the ImageFocus Alpha software and can be adjusted or removed for convenient use away from the microscope

- 12" Full HD Windows tablet
- Full access to ImageFocus Alpha software
- Rotatable
- Tiltable
- Magnetically detachable
- Use the Windows tablet independently away from the microscope

CHOOSE YOUR DIGITAL BLUESCOPE





- *EBL.1055*
- *EBL.1057*
- *EBL.1057-T*
- *EBL.1050-LCD*

MODELS	Configuration	Operation
EBL.1055	Monocular microscope with integrated 5 MP camera	Connect to a computer
EBL.1057	Binocular microscope with integrated 5 MP camera	Connect to a computer
EBL.1057-T	Binocular microscope with 5 MP camera and 12" Full HD Windows tablet	Complete tablet solution, touchscreen
EBL.1050-LCD	Microscope with fixed 7" Full HD LCD and built-in camera	Standalone operation, touchscreen

EBL.1050-LCD - STANDALONE DIGITAL MODEL

- Fixed 7" Full HD touchscreen with built-in camera
- No external computer or Windows tablet required
- Save images and videos directly to a microSD card
- Basic line measurement function included
- Screen resolution 1920 x 1080 @ 30 fps,
- Image resolution up to 1844 x 1080 in JPG
- Video resolution 1280 x 720 AVI format

** Frame rates were determined at optimal conditions*



The EBL.1050-LCD is a standalone digital model with a fixed 7" Full HD screen and built-in camera. No external computer or Windows tablet is required. Images and videos can be saved directly to a microSD card

ACCESSORIES

EYEPIECES

Ø 23.2 mm tube

EBL.6010 WF 10x/20 mm eyepiece
EBL.6010-P WF 10x/20 mm eyepiece with pointer
EBL.6010-M WF 10x/20 mm eyepiece with micrometer scale
EBL.6015 WF 15x/13 mm eyepiece
EBL.6016 WF 16x/13 mm eyepiece
EBL.6020 WF 20x/12 mm eyepiece
EBL.6025 WF 25x/8 mm eyepiece
EBL.6099 Pair of eyecups

OBJECTIVES

SMP Semi Plan objectives

EBL.7104 4x/0.10 SMP objective. WD 16 mm
EBL.7110 10x/0.25 SMP objective. WD 4.60 mm
EBL.7120 20x/0.40 SMP objective. WD 0.90 mm
EBL.7140 S40x/0.65 SMP objective. WD 0.68 mm
EBL.7160 S60x/0.85 SMP objective. WD 0.60 mm
EBL.7100 S100x/1.25 oil immersion objective. WD 0.21 mm

PLAN PLi IOS objectives

EBL.7204 4x/0.10 PLi IOS objective. WD 7.90 mm
EBL.7210 10x/0.25 PLi IOS objective. WD 4.40 mm
EBL.7220 20x/0.40 PLi IOS objective. WD 4.00 mm
EBL.7240 S40x/0.65 PLi IOS objective. WD 0.55 mm
EBL.7260 S60x/0.85 PLi IOS objective. WD 0.80 mm
EBL.7200 S100x/1.25 oil immersion objective. WD 0.21 mm

WD = working distance

MISCELLANEOUS

EAE.5202 Blue filter, diameter 32 mm
EAE.5203 Yellow filter, diameter 32 mm
EAE.5204 Neutral grey filter, diameter 32 mm
EAE.5205 Green filter, diameter 32 mm
EAE.5207 Blue filter plexiglass, diameter 32 mm
EAE.9919 Nylon microscope bag
EBL.5511 Discussion head BlueScope with one standard eyepiece (no pointer)
EBL.9900 Aluminum case
EBL.9975 Mains/charger adapter 5V multiplug
EBL.9981 3 W LED replacement unit
EBL.9993 3 W NeoLED replacement unit (for bino/trinocular models)
EBS.9647 Polarization slider for microscope head
EBS.9651 Polarization attachment for lamphouse
EBS.9660 Polarization kit: analyzer under head and polarizer on lamphouse

FOR IOS MODELS ONLY

EBL.5120 Universal 23.2 mm photo tube
EBL.9835 C-mount adapter 0.35x
EBL.9850 C-mount adapter 0.5x

DISPOSABLES

EPB.5155 Microscope slides 76 x 26 mm, ground edges, 50 pieces
EPB.5157-W Microscope slides 76 x 26 mm, ground edges. White frosted side, 50 pieces per pack
EPB.5157-B Microscope slides 76 x 26 mm, ground edges. Blue frosted side, 50 pieces per pack
EPB.5160 Microscope slides 76 x 26 mm with cavity, ground edges. 10 pieces per pack
EPB.5165 Cover glasses 18 x 18 mm, thickness 0.13-0.17 mm, 100 pieces
EPB.5168 Cover glasses 22 x 22 mm, thickness 0.13-0.17 mm, 100 pieces
EPB.5245 Lens cleaning paper, 100 sheets per pack
EPB.5255 Immersion oil, n = 1.515 (25 ml)
EPB.5275 Cleaning kit: lens cleaning fluid, lint free lens tissue, brush, air blower, cotton swabs
EPB.5276 Microscope maintenance and servicing kit, 16pcs