

MacroZoom

MZ.4600

HIGHLIGHTS

- MonoZoom stand-alone digital microscope
- Optical zoom from 0.7x up to 5x
- Magnification on screen from 2.5 up to 19x
- 100 mm working distance
- Built-in 1080p 2 MP HD camera
- Built-in mouse driven on-screen software
- Measurement function on screen
- .jpg or .bmp saved images
- .mp4 video recording up to max 2 hrs
- Removable 32 GB memory stick
- Metal stand
- 2 years warranty



● MZ.4600

MZ.4600

323 (h) 320 (w) 260 mm (d) | 4.4 kg

TECHNICAL SPECIFICATIONS

MACROZOOM OBJECTIVE

- The Digital MacroZoom MZ.46000 features a single zoom objective with a 0.7 to 5x zoom magnification
- Zoom adjustment engravings on 0.7, 1, 1.5, 2, 2.5, 3, 4 and 5x
- The working distance is 100 mm
- An optional 3D attachment enables a 45° angle observation

STAND

- Standard pillar stand (Ø 32mm) that sits on a large 320 x 260 mm metal stand, without illumination
- Travel range is 50 mm, max. object height 22 cm
- The MacroZoom objective can also be mounted in the NexusZoom

ILLUMINATION

The MZ.4600 comes with a 144 LED ringlight, adjustable from the side of the MacroZoom body

BUILT- IN CAMERA

- Built-in HD 1080p high definition 2 MP 1/2.8" CMOS high speed camera, 1920 x 1080 pixels, 2.9 µm x 2.9 µm pixels and 60 images per seconds
- Magnification on screen from 2.5x up to 19x with field of view from 210 x 120 mm up to 27 x 15 mm based on a 24 inch HD screen
- The camera has one HDMI output that needs to be connected to an external HD screen (not supplied)
- Two USB ports accept the supplied 32 GB USB memory stick (up to 64 GB) and a supplied wireless mouse that drives the built-in on-screen software.
- The operator can take .jpg or .bmp images and .mp4 video's and save them to an external supplied memory stick

BUILT- IN SOFTWARE

- The built-in on-screen software (only English language) is mouse driven and features functions such as capture or record images, automatic or manual white balance, color adjustments, file manager, grids, flip/mirror, freeze image, WDR (white dark regulation), crosshair and crosslines, text annotations
- Camera settings such as automatic or manual exposition time, gain, brightness, saturation, contrast, sharpness, digital 1-6x zoom are available.
- Measurement functions are also available from the software such as line, polygon circle, rectangle, angle, arc
- Images are saved in .jpg or .bmp format and video in .mp4 videos format

PACKAGE CONTENT MZ.4600

Supplied with

- Digital MacroZoom body with ringlight illumination (MZ.4605)
- 32 GB memory stick, mouse, HDMI cable for HD screen, external 100-240 Vac / 12Vdc / 3A power supply
- Standard pillar stand with head holder, without illumination (MZ.4610)

ORDER PRODUCT REFERENCES:

MZ.4600 MacroZoom body with standard stand

MZ.4600-NZ MacroZoom body with NexusZoom stand (NZ.9018), equipped with two 2 W gooseneck LED illuminations

MZ.4605 Digital MacroZoom body with ringlight illumination

MZ.4610 Standard* stand for MZ body MZ.4605

MZ.4615 3D attachment for observation under 45° angle*

MZ.4625 Additional 0.5x lens working distance 165 mm

MZ.4627 Additional 0.7x lens working distance 128 mm

MZ.4622 Additional 2x lens working distance 40 mm

OPTIONAL LIGHT SOURCES:

LE.1973 Ring light with 144 LEDs with adjustable light intensity. External power supply 100-240 Vac / 12 Vdc (50/60 Hz). With segment controller. Luminous flux of 23,000 Lux and color temperature of 6500 K

LE.1974 Ring light with 72 LEDs with adjustable light intensity. External power supply 110-240 Vac / 12 Vdc (50/60 Hz). With segment controller. Luminous flux of 20,000 Lux and color temperature of 6500 K

LE.5207 Light source with 2x 3W LED light source mounted on two self-sustaining Gooseneck-type 56 cm long guide. Luminous flux 25.000 Lux, 6500K

LE.5212 Multiple light source station with

- two self-sustaining gooseneck-type 56 cm long guides with 2x 3 Watt white 6500 K power LEDs, each with a 3-lens focusing head,
- 60 LEDs ring light, 6.500 K, 24.000 Lux
- transmitted 42 LEDs light stage, 6.500 K, 8.000 Lux. Stage diameter 94.5 mm, 15 mm thick



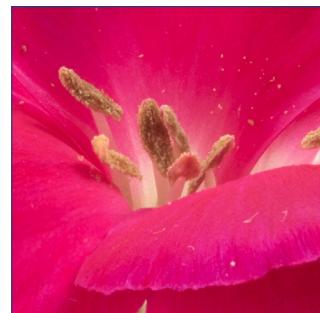
● MZ.4600 with LE.1973



● 3-D attachment MZ.4615



● View from above and from a 45° angle



● MZ.4600-NZ