

MacroZoom MZ.4700(-HDS)

digital autofocus 4K/1080p

HIGHLIGHTS

- Stand-alone or PC operated
- Sony 1/2.8" 4K/1080P CMOS sensor
18x optical zoom ratio
- Optical zoom factor up to 5.6x
- On-screen magnification from 2.8 to 47x
- 205 - 215 mm Working distance
- Standard LED ring light
- Optional directional LED ring light
- Built-in mouse-driven software
- 2 Years warranty



● MZ.4700-HDS

TECHNICAL SPECIFICATIONS

ZOOM OBJECTIVE

- The 16 elements objective has a 18x zoom ratio and produces magnifications up to 0.56 magnification with a manual or automatic focusing function
- Field of views from 255 x 145 mm (1x zoom) to 14 x 8 mm (18x zoom)
- On-screen magnification 2.8 to 47x @190 mm WD (24" screen)
- Focusing range is between 205 and 225 mm

WD = working distance

CAMERA

- The 8.3 MP camera is equipped with a Sony 1/2.8 inch 4K UHD/1080P CMOS High Definition sensor with high signal-to-noise ratio generating a 3840 x 8160 pixels video streaming up to 30 images per second*
- The 4K/UHD signal fits the HDMI input of a HD screen
- Image and video storage is done with a built-in SD card
- Stand-alone or PC operated (ImageFocus Alpha)

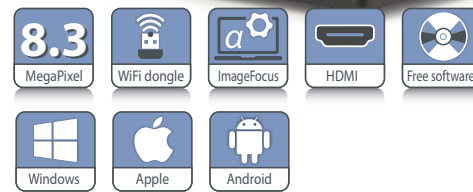
* Frame rates have been determined at optimal conditions

BUILT-IN SOFTWARE

The built-in intuitive software is controlled by the supplied and to the camera connected mouse. It features a camera-, an autofocus control panel and a measurement toolbar

ILLUMINATION

- A standard LED ring light assures a good standard lighting of the sample
- A ring light with 12x 1W, 30° directional LEDs enables very flexible lighting of the sample



MZ.4700

350 (h) x 375 (w) x 250 mm (d) | 5.1 kg

STAND

- The MacroZoom can be mounted on a dedicated rack&pinion stand with or without a dedicated HD screen
- With the 30° directional 12x 1W LED ring light (MZ. 4735), the MacroZoom (MZ.4705) can also be mounted on the NexiusZoom stands

PACKAGE CONTENT

Supplied with a standard ring light, a 32 GB SD card, mouse, WiFi dongle, HDMI cable and external 100-240 Vac / 12Vdc / 3A power supply



● WiFi dongle

MZ.4700 AND MZ.4702* COMPARED

MODELS ¹	Camera model	With stand	Auto-focus	Fields of view	On-screen magnification (24" screen)	WD ⁴ with autofocus	Sensor	Sensor size inch	Resolution 3840 x 8160 p	Connection	Illumination included
MZ.4700(-HDS)	MZ.4705	•	•	255 x 145 mm (1x zoom) ~ 14 x 8 mm (18x zoom)	2.8 ~ 47x @190 mm	205 ~ 225 mm	8.3 MP Sony 4K UHD	1/2.8	Up to 30 fps ²	PC/MAC/ Stand-alone HDMI/WIFI/ Ethernet	•
MZ.4702(-HDS)*	MZ.4707	•	•	65 x 37 cm (1x zoom) ~ 3.6 x 2 cm (18x zoom)	0.8 ~ 14.5x @600 mm	400 ~ 670 mm	8.3 MP Sony 4K UHD	1/2.8	Up to 60 fps ³	PC/MAC/ Stand-alone HDMI/WIFI/ Ethernet	

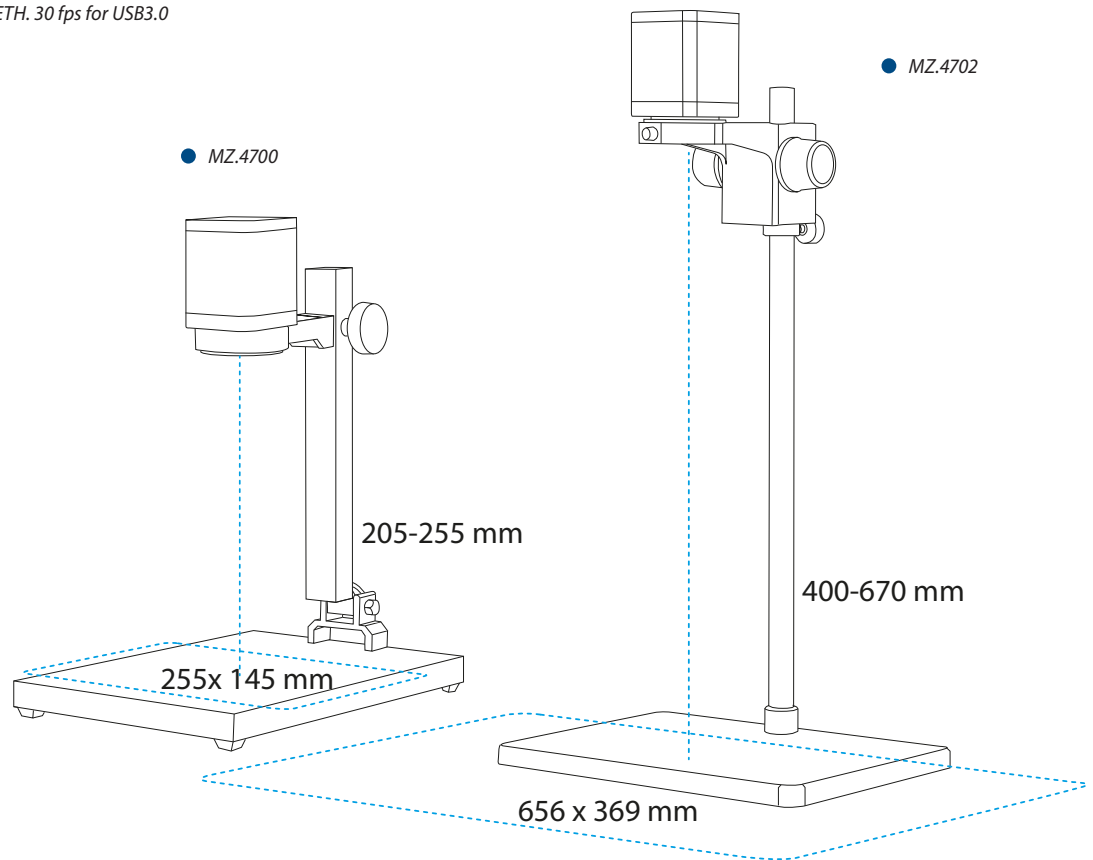
* See datasheet on MacroZoom MZ.4702 for further specifications

¹ Models with -HDS have an 11 inch HD screen

² 30 fps for HDMI 1.4, USB 2.0, WiFi-5 and ETH

³ 60 fps for HDMI 2.0, WiFi-5 and ETH. 30 fps for USB3.0

⁴ WD = working distance



ORDER PRODUCT REFERENCES

- MZ.4700** Stand-alone digital autofocus MacroZoom ⁽¹⁾ with standard ⁽²⁾ stand
- MZ.4700-HDS** Stand-alone digital autofocus MacroZoom ⁽¹⁾ with standard ⁽²⁾ stand and HD screen
- MZ.4705** Stand-alone digital autofocus MacroZoom ⁽¹⁾

ACCESSORIES

- MZ.4710** Standard ⁽²⁾ stand for MZ.4705
- MZ.4712** 11 inch HD screen for MZ.4710 inclusive pillar attachment
- MZ.4740** Standard LED ring light
- MZ.4735** Directional 12 x 1W LEDs ring light ⁽²⁾

⁽¹⁾ Supplied with a standard ring light, a 32 GB SD card, mouse, WiFi dongle, HDMI cable and External 100-240 Vac / 12Vdc / 3A power supply

⁽²⁾ With the MZ.4735 a MZ.4705 can also be mounted on NexiusZoom stands



● MZ.4705



● MZ.4740



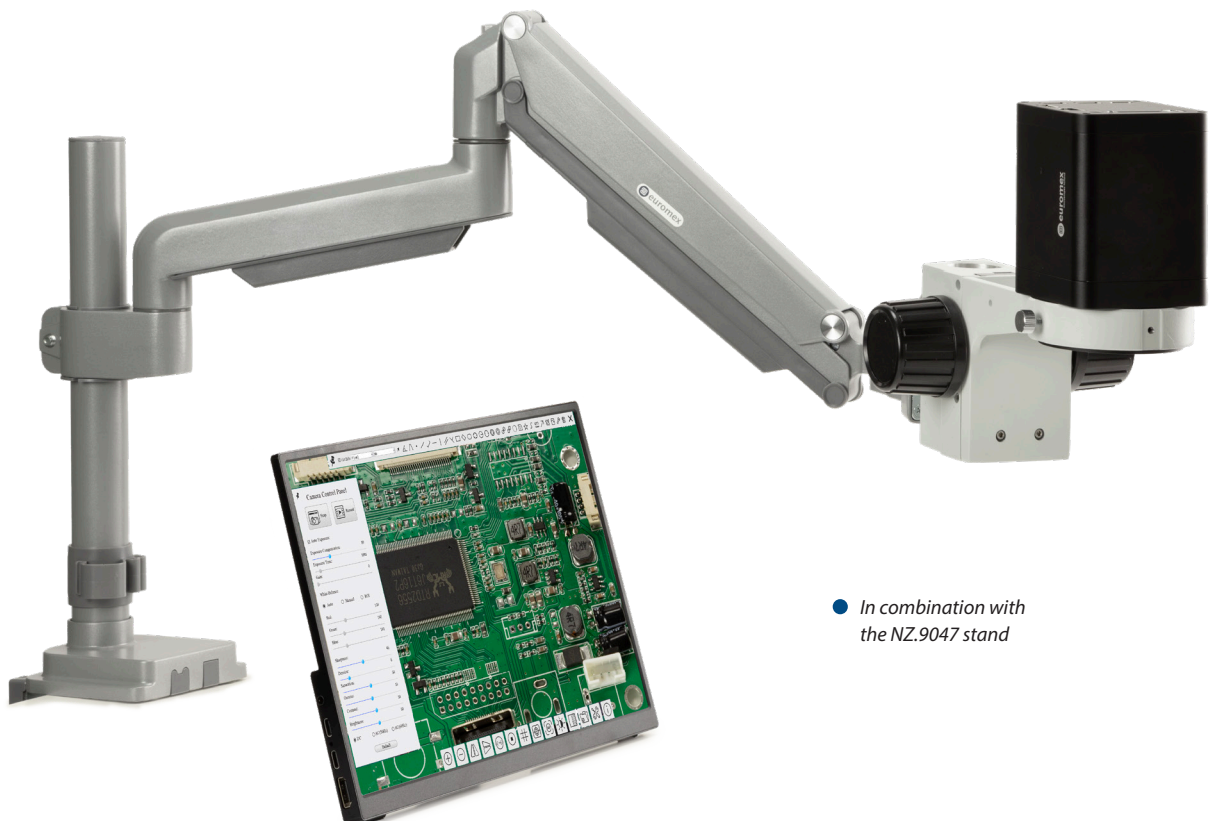
● MZ.4735



● MZ.4710



● MZ.4712



● In combination with the NZ.9047 stand