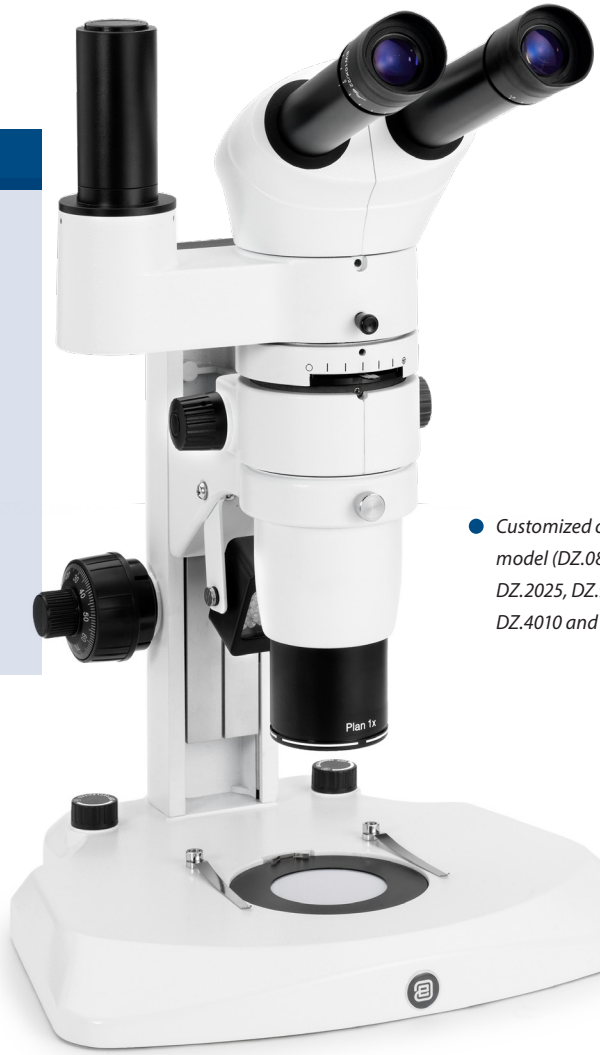
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DZ series

HIGHLIGHTS

- **Binocular models with optional photo ports**
- **9 standard configurations or customized configurations**
- **Ergonomic tilting head from 0 to 35° tilting or fixed 20° inclined head**
- **EWF10x/22mm eyepieces**
- **3 Magnification units from 4 to 320x**
- **Fields of view from 55 to 1.4 mm**
- **Ergonomic rack & pinion, universal stand or articulated arm stands**
- **Transmitted and incident 3 W LED illumination**
- **100 W epi-fluorescence**
- **Multihead versions**
- **10 years warranty**



● *Customized configuration model (DZ.0800, 2x DZ.3010, DZ.2025, DZ.9005, DZ.9010, DZ.4010 and DZ.5020)*

DZ.1100 / DZ.1600 / DZ.1800	305 (h) x 330 (w) x 285 mm (d) | 6.0 kg
DZ.1105 / DZ.1605 / DZ.1805	305 (h) x 330 (w) x 285 mm (d) | 5.2 kg

For weight of other products see table 'Models'

TECHNICAL SPECIFICATIONS

EYEPIECES

Pair of EWF 10x/22 mm eyepieces

HEAD

- Ergonomic binocular 0-35° tilting head
- Binocular 20° tilted head
- Diopter ± 5 adjustment on both eyepieces
- Interpupillary distance from 55 to 75 mm
- Optional photo ports for one or two cameras

CENTRAL ZOOM UNIT

Three central zoom units are available:

- 1:6.3 for total magnifications from 8 to 50x
- 1:8 for total magnifications from 8 to 64x
- 1:10 for total magnifications from 8 to 80x

COMMON MAIN OBJECTIVE

- Standard configurations are supplied with a 1x plan apochromatic Common Main Objective, WD 78 mm
- Other plan apochromatic Common Main Objectives 0.5x (WD 126 mm) and 2x (WD 33 mm) are also available

All optics have an anti-reflection coating for maximum light throughput and are anti-fungus treated

STAND

- Large ergonomic stand with ø 100 mm object plate and two object clamps
- Coaxial coarse and fine adjustment
- A universal stand and articulated arm stand without illumination are also available
- The multihead systems come with a 420 x 350 mm stage - without illumination - and with a 254 x 254 mm glass plate

ILLUMINATION

- Supplied with transmitted and incident 3 W LED illuminations with a built-in 100-240 V power supply
- Both illuminators can be used simultaneously and the light intensities can be adjusted separately

PACKAGE CONTENT

- Supplied with power cord, dust cover, a spare fuse and user manual
- All packed in a polystyrene box



● *Ergonomic head*

STANDARD CONFIGURATIONS

- All 9 standard configurations are equipped with EWF10x/22mm eyepieces, 1x plan apochromatic Common Main Objective
- All 9 standard configurations are equipped with DZ.5040 rack & pinion stand with incident and transmitted LED illumination

MODELS (STANDARD)

	Binocular 20° head	Binocular Ergo 0 to 35° tilting	Dual binocular 20° heads	Magnifications from 8 to 50x	Magnifications from 8 to 64x	Magnifications from 8 to 80x
DZ.1100		•				•
DZ.1104			•			•
DZ.1105	•					•
DZ.1800		•			•	
DZ.1804			•		•	
DZ.1805	•				•	
DZ.1600		•		•		
DZ.1604			•	•		
DZ.1605	•			•		

All equipped with EWF10x/22mm eyepieces



● *Customized specification fluorescence model* ● *DZ.0800/DZ.2020/DZ.3010(2x)/DZ.4005/DZ.5040* ● *DZ.1104/DZ.1804/DZ.1604*

MAGNIFICATIONS AND FIELDS OF VIEW FOR STANDARD CONFIGURATIONS

MODEL				0.5x objective WD 126 mm		1.0x objective WD 78 mm standard outfit		2.0x objective WD 33 mm	
			Zoom indication	Total magnification	Field of view	Total magnification	Field of view	Total magnification	Field of view
DZ.1100 / DZ.1104/ DZ.1105	DZ.1800 / DZ.1804 / DZ.1805	DZ.1600/1604/1605	0.8x	4x	55	8x	27.5	16x	13.7
			1.0x	5x	44	10x	22	20x	11
			1.5x	7.5x	29.3	15x	14.6	30x	7.3
			2.0x	10x	22	20x	11	40x	5.5
			3.0x	15x	14.6	30x	7.3	60x	3.6
			4.0x	20x	11	40x	5.5	80x	2.7
			5.0x	25x	8.8	50x	4.4	100x	2.2
			6.0x	30x	7.3	60x	3.6	120x	1.8
			6.4x	32x	6.8	64x	3.4	128x	1.7
			7.0x	35x	6.3	70x	3.1	140x	1.5
			8.0x	40x	5.5	80x	2.75	160x	1.4

WD = working distance

BUILD YOUR OWN MICROSCOPE

A customized DZ series stereo microscope can be configured to customer's specifications by choosing one of the three central zoom units DZ.0630, DZ.0800 or DZ.1000 and adding the necessary components for the application. Pair of eyepieces, an ergonomically 0 to 35° tilting head or fixed 20° inclined head, a 0.5x, 1x or 2x Common Main Objective (CMO), a large ergonomic LED stand, a boom or an articulated arm stand. Other accessories like a photo/camera unit or dual iris diaphragm can complete the configuration. Multihead versions are available for simultaneous viewing

ACCESSORIES & SPARE PARTS

CENTRAL ZOOM UNITS

DZ.0630 Central Zoom Unit 1:6.3 unit with magnifications from 8 to 50 times
DZ.0800 Central Zoom Unit 1:8 unit with magnifications from 8 to 64 times
DZ.1000 Central Zoom Unit 1:10 unit with magnifications from 8 to 80 times

HEADS

DZ.2020 Ergonomic binocular 0-35° tilting head without eyepieces
DZ.2025 Binocular 20° tilted head without eyepieces
Interpupillary distance from 55 to 75 mm

EYEPIECES

DZ.3010 EWF 10x/22 eyepiece, 1 piece
DZ.3012 EWF 10x/22 eyepiece with micrometer and cross hairs, 1 piece
DZ.3015 WF 15x/16 eyepiece, 1 piece
DZ.3020 WF 20x/12 eyepiece, 1 piece

DIAPHRAGM

DZ.9010 Double iris diaphragms for increased depth of field

OBJECTIVES

DZ.4003 Plan Common Main Objective 0.3x. WD 276 mm
DZ.4005 Plan apochromatic Common Main Objective 0.5x. WD 126 mm
DZ.4010 Plan apochromatic Common Main Objective 1.0x. WD 78 mm
DZ.4020 Plan apochromatic Common Main Objective 2.0x. WD 33 mm
All optics are anti-fungus treated and anti-reflection coated for maximum light throughput

STANDS

DZ.5020 Universal stand without illumination.
Dimensions 460(h) x 280 (l) x 400 (d) mm
DZ.5040 Ergonomic stand with transmitted and incident LED illumination.
Coaxial coarse and fine adjustments, 100 graduations, 0.015 mm per graduations
65.980 Articulated arm stand for mounting on table without head holder (65.981)
65.981 Head holder 76 mm for DZ series and black articulated arm stand (65.980)
NZ.9025 Articulated arm stand with table clamp (without DZ head holder 65.981)
NZ.9027 Articulated arm stand with heavy stand (without DZ head holder 65.981)
NZ.9042 Stand with rotating mirror and transmitted LED illumination
NZ.9030 Boom (double arm) stand with heavy stand (without head holder NZ.9090)
NZ.9032 Boom (double arm) stand with table clamp (without head holder NZ.9090)
NZ.9090 Head holder (for NZ.9020, NZ. 9030 and NZ.9032)

FLUORESCENCE ATTACHMENT

DZ.9050 Attachment for fluorescence with 100 W mercury vapor illumination with GFP-B and GFP-LP filter sets and one 23.2 mm photo port. Supplied with power supply
DZ.9060 Filter cube with GFP-B for Blue excitation, EM band pass filter (EX 460-500, DM 505, EM 510-560)
DZ.9061 Filter cube with GFP-L for Blue excitation, EM long pass filter (EX 460-500, DM 505, EM 510)
Other fluorescence filters available on request

MISCELLANEOUS

DZ.9020 Large 185 x 145 mm stage with mechanical X-Y 50 x 50 mm stage, to be moved by hand
DZ.9040 Darkfield attachment for DZ.5040
DZ.9045 Polarizer, 360° rotatable, to be mounted on Common Main Objectives of DZ series
DZ.9047 Polarizer, 360° rotatable, to be placed on the stage
DZ.9005 Photo port attachment with one 23.2 mm tube
DZ.9007 Photo port attachment with two 23.2 mm tubes
DZ.9013 C-mount 1x objective for insertion into photo port attachments

AE.1900 Glass object plate, ø 100mm
AE.1903 Acrylic white/black object plate ø 100 mm

50.875 Adjustable GEM clamp
AE.5130 Universal SLR camera adapter with 2x projection lens for 23.2 mm tubes. Needs T2 adapter
AE.5025 T2 adapter for Nikon D digital SLR cameras
AE.5040 T2 adapter for Canon EOS digital SLR cameras
Other T2 adapters on request

AE.1385 100 W HBO mercury vapor bulb for fluorescence
SL.5520 LED replacement for incident LED illumination of DZ.5040 stand

AE.1112 Micrometer slide, 50 mm/50 divisions
PB.5245 Lens cleaning paper, 100 sheets per pack
PB.5274 Isopropyl alcohol 99% (200 ml)
PB.5275 Cleaning kit: lens cleaning fluid, lint free lens tissue, brush, air blower, cotton swabs

WD = working distance

**All technical specifications stated are nominal values and are provided for reference purposes only. No rights or claims may be derived from these values. Euromex Microscopen makes no warranty as to the exact accuracy or achievement of these values*

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