

DZ series

HIGHLIGHTS

- Binocular and trinocular models
- 6 standard configurations or customized configuration
- Ergonomic tilting head from 5 to 35° tilting or fixed 20° inclined head, EWF10x/22mm eyepieces,
- Three central zoom units from 4 to 320x
- Field of views from 55 to 1.4 mm
- Working distances from 126 to 33 mm
- Ergonomical rack & pinion stands, universal stand or articulated arm stand
- Transmitted and incident LED illumination
- 100 W epi-fluorescence mercury vapor illuminator
- 10 years warranty



*customized
configuration model*

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

TECHNICAL SPECIFICATIONS

EYEPIECE(S)

- Pair of EWF 10x/22 mm eyepieces

HEADS

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

CENTRAL ZOOM UNITS

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 plan apochromatic Common Main objective 1x, working distance 78 mm
- Other plan apochromatic Common Main objectives 0.5x (working distance 126 mm) and 2x (working distance 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 \varnothing 100 mm object plate and 2 object clamps
- Coarse adjustment with adjustable friction
- A universal stand and an articulated arm stand without illumination are also available for configurations built to customer's specifications

ILLUMINATIONS

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

PACKAGING

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

STANDARD CONFIGURATIONS

- All 6 standard configurations are equipped with EWF10x/22mm eyepieces, plan achromatic Common Main objective 1x
- All 6 standard configurations are equipped with rack & pinion stand with incident and transmitted LED illumination

MODELS (STANDARD)

	Binocular 20° head	Binocular Ergo 10 to 35° tilting	Magnifications from 8 to 50x	Magnifications from 8 to 64x	Magnifications from 8 to 80x
DZ.1100		•			•
DZ.1105	•				•
DZ.1800		•		•	
DZ.1805	•			•	
DZ.1600		•	•		
DZ.1605	•		•		

All equipped with EWF10x/22mm eyepieces



DZ.1100

Customized specification
fluorescence model

MAGNIFICATIONS AND FIELD OF VIEWS FOR STANDARD CONFIGURATIONS

Model	0.5x Objective Working distance 126 mm			1.0x Objective Working distance 78 mm		2.0x Objective Working distance 33 mm	
	Zoom indication	Total magnification	Field of view	Total magnification	Field of view	Total magnification	Field of view
DZ1100 / DZ1105 DZ1800 / DZ1805 DZ1600 / DZ1605	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

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 5 to 35° tilting head or fix 20° inclined head, a common 0.5x, 1x or 2x main objective, 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

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** Ergonomically binocular 5-35° tilting head
- DZ.2025** Binocular 20° tilted head. Interpupillary distance from 55 to 75 mm.

EYEPIECE(S)

- DZ.3010** EWF 10x/22 eyepiece, 1 piece
- DZ.3012** EWF 10x/22 eyepiece with crosshair, 1 piece
- DZ.3015** WF 15x/16 eyepiece, 1 piece
- DZ.3020** WF 20x/12 eyepiece, 1 piece

DIAPHRAGMS

- DZ.9010** Double iris diaphragms for increased depth of field

OBJECTIVES

- DZ.4005** Plan apochromatic Common Main objectives 0.5x. Working distance 126 mm
- DZ.4010** Plan apochromatic Common Main objectives 1.0x. Working distance 78 mm
- DZ.4020** Plan apochromatic Common Main objectives 2.0x. Working distance 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
- 65.890** Articulated arm stand for mounting on table without head holder (65.981)
- 65.981** Head holder 76 mm for DZ series and black universal stand 65.980

FLUORESCENCE ATTACHMENT

- DZ.9050** Attachment for fluorescence with 100 W mercury vapor illumination with GFP-B and GFP-LP filter sets. 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*

ACCESSORIES

- DZ.9020** Large 185 x 145 mm stage with mechanical X-Y 50 x 50 mm stage, to be moved by hand
 - DZ.9040** Dark field 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 of DZ series
 - DZ.9005** Photo port attachment with one 23.2 mm tube
 - DZ.9007** Photo port attachment with two 23.2 mm tubes
 - DZ.9009** Photo port attachment with one 23.2 mm tube to be used with fluorescence attachment
 - DZ.9011** C-mount 0.4x objective for insertion into photo port attachments
 - 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
 - AE.5130** Universal SLR camera adapter with 2x projection lens for 23.2 mm tubes. Needs T2 adapter
 - AE.5020** 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