

SZM Series

Professional stereozoom microscopes



SZM Series

The stereomicroscopes of the SZM series are instruments designed for laboratory and industry applications.

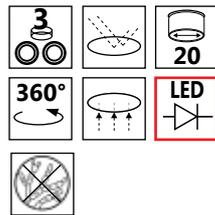
Their optical and mechanical qualities place them at the top of their category and the price/quality ratio is excellent. The stereomicroscopes share the same optical system consisting of binocular and trinocular heads with zoom objectives.

The four models of the SZM series find their proper application wherever professional instruments are required. Several accessories provide an ample choice of configurations and applications.

- SZM-1** Binocular with pillar stand, halogen lamp
- SZM-LED1** Binocular with pillar stand, LED
- SZM-2** Trinocular with pillar stand, halogen lamp
- SZM-LED2** Trinocular with pillar stand, LED
- SZM-3** Binocular with overhanging stand
- SZM-4** Trinocular with overhanging stand



SZM-LED2



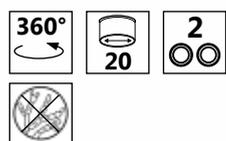
SZM Range



SZM Series



SZM-3



Heads

Binocular and trinocular, 360° rotating and 45° inclined.

Interpupillary distance

Adjustable between 51 and 75 mm.

Dioptic compensation

On both eyepiece tubes.

Eyepieces

EWF10x/20 mm

Objectives

Parfocal achromatic zoom 0,7x...4,5x (6,428:1 zoom factor).

Specimen stage:

Models with halogen illumination are fitted with a black/white disc, specimen clips and a frosted disc for transmitted light.

LED versions are not equipped with black/white and frosted discs.

Focusing

Rack and pinion mechanism controlled by a pair of knobs placed on both sides of the stand.

Stand

Pillar stand: 30 mm and 25 cm high. Base: 26x20x6h cm.

Overhanging stand: 42 cm high, 23x23 cm base and 45 cm horizontal arm length.

Illumination

Double, adjustable incident and transmitted light, fitted with two 12V/15W halogen bulbs. The angle of the incident illumination is adjustable.

The two models SZM-LED1 / SZM-LED2 are equipped with high-power LEDs.

SZM Series - Technical specifications

Model	Head	Eyepiece	Objectives	Working Distance	Stand	Illumination
SZM-1	Binocular	WF 10x/20mm	0,7x...4,5x zoom	100 mm	Pillar stand	Incident and transmitted 12V/15W halogen
SZM-LED1	Binocular	WF 10x/20mm	0,7x...4,5x zoom	100 mm	Pillar stand, low profile base	Incident: high power X-LED ³ Transmitted: 40mm LED diffusing disc
SZM-2	Trinocular	WF 10x/20mm	0,7x...4,5x zoom	100 mm	Pillar stand	Incident and transmitted 12V/15W halogen
SZM-LED2	Trinocular	WF 10x/20mm	0,7x...4,5x zoom	100 mm	Pillar stand, low profile base	Incident: high power X-LED ³ Transmitted: 40mm LED diffusing disc
SZM-3	Binocular	WF 10x/20mm	0,7x...4,5x zoom	100 mm	Overhanging stand	Without illumination
SZM-4	Trinocular	WF 10x/20mm	0,7x...4,5x zoom	100 mm	Overhanging stand	Without illumination

SZM Series - Accessories

SZM

- ST-081 Eyepieces (pair) WF10x/20 mm
- ST-082 Eyepieces (pair) WF15x/15 mm
- ST-083 Eyepieces (pair) WF20x/10 mm
- ST-084 Eyepiece micrometric WF10x/20 mm
- ST-085 Additional lens 0,5x (w.d. 165 mm)
- ST-091 Additional lens 0,75x (w.d. 117 mm)
- ST-086 Additional lens 1,5x (w.d. 47 mm)
- ST-087 Additional lens 2x (w.d. 26 mm)
- ST-088 Polarising set (filters and rotating stage) *
- ST-040 Darkfield condenser *
- ST-041 Sample clip
- ST-100 Moving stage *
- ST-110 Moving stage, with coaxial knobs
- ST-111 Moving stage, with micrometer screws
- ST-089 Reflex camera adapter for full frame sensor
- ST-090 CCD camera adapter (for 1/3" sensors)
- ST-090.1 CCD camera adapter (for 1/2" sensors)
- ST-036 Eye cups (pair) type 2
- ST-012 White/black object-plate, type 2 dia. 95 mm (not available on LED version)
- ST-014 Glass stage, type 2, dia. 95 mm (not available on LED version)
- ST-038 Halogen bulb, 12V/15W
- ST-037 Halogen bulb, 12V/15W, with dichroic mirror
- ST-033 Dust cover type 13
- ST-666 Heating stage, with digital temperature controller
- ST-173 APS-C Reflex camera adapter

* For LED version special adapter required

15103 - Lens cleaner, 50ml

It cleans glass quickly and effectively, without leaving residue or odor. Ideal for precision lens or prism cleaning.



CAMERA ADAPTER CHART FOR TRINOCULAR MODELS



SZM
Trinocular versions

*T/2 is not supplied by OPTIKA