

SZM Series

Advanced stereomicroscopes for teachers



SZM



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





SZM Series

Heads

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

Interpupillary distance

Adjustable between 51 and 75 mm.

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

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-1/2Led are equipped with a double high-power LED.



SZM Series - Technical specifications






Model	Head	Eyepieces	Objectives	Working Distance	Stand	Illumination
SZM-1	Binocular	EWF 10x/20mm	0,7 4,5x Zoom	100 mm	Pillar stand	Incident and transmitted 12V/15W halogen
SZM-1Led	Binocular	EWF 10x/20mm	0,7 4,5x Zoom	100 mm	Pillar stand	Incident: high power single LED Transmitted: LED diffusing disc
SZM-2	Trinocular	EWF 10x/20mm	0,7 4,5x Zoom	100 mm	Pillar stand	Incident and transmitted 12V/15W halogen
SZM-2Led	Trinocular	EWF 10x/20mm	0,7 4,5x Zoom	100 mm	Pillar stand	Incident: high power single LED Transmitted: LED diffusing disc
SZM-3	Binocular	EWF 10x/20mm	0,7 4,5x Zoom	100 mm	Overhanging stand	---
SZM-4	Trinocular	EWF 10x/20mm	0,7 4,5x Zoom	100 mm	Overhanging stand	---

SZM Series - Accessories

ST-081	Eyepieces (pair) WF10x/20 mm
ST-082	Eyepieces (pair) WF15x/15 mm
ST-083	Eyepieces (pair) WF20x/10 mm
ST-084	Eye piece 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-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
ST-014	Glass stage, type 2, dia. 95 mm
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



CAMERA ADAPTER CHART FOR TRINOCULAR MODELS

VC CAMERAS / OPTIKAM CAMERAS		DIGI	REFLEX APS-C	REFLEX Full frame 35mm
				
C-MOUNT	WITH LENS			
1/2	1/3		T/2*	T/2*
ST-090.1	ST-090	Not necessary	M-173	ST-089



SZM
Trinocular versions

*T/2 is not supplied by OPTIKA

OPTIKA SRL

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