

## 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.

|                 |  |
|-----------------|--|
| <b>SZM-1</b>    | Binocular with pillar stand, halogen lamp  |
| <b>SZM-1Led</b> | Binocular with pillar stand, LED           |
| <b>SZM-2</b>    | Trinocular with pillar stand, halogen lamp |
| <b>SZM-2Led</b> | Trinocular with pillar stand, LED          |
| <b>SZM-3</b>    | Binocular with overhanging stand           |
| <b>SZM-4</b>    | 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<br>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<br>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   | 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-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                        |






\* 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

| 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  |

\*T/2 is not supplied by OPTIKA



**SZM**  
Trinocular versions

## OPTIKA SRL

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