

## SZN Series

Laboratory stereozoom microscopes



# SZN Series

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

<b>SZN-1</b>	Binocular with pillar stand.
<b>SZN-2</b>	Trinocular with pillar stand.
<b>SZN-3</b>	Binocular with pillar stand, transmitted LED disc and single incident LED.
<b>SZN-4</b>	Trinocular with pillar stand, transmitted LED disc and single incident LED.
<b>SZN-5</b>	Binocular with pillar stand, transmitted LED disc and double arm incident LED.
<b>SZN-6</b>	Trinocular with pillar stand, transmitted LED disc and double arm incident LED.
<b>SZN-7</b>	Binocular with simple overhanging stand.
<b>SZN-8</b>	Trinocular with simple overhanging stand.
<b>SZN-9</b>	Binocular with hinged overhanging stand.
<b>SZN-10</b>	Trinocular with hinged overhanging stand.

## SZN-4



## SZN Range



**SZN-1**



**SZN-2**



**SZN-3**



**SZN-4**



**SZN-5**



**SZN-6**



**SZN-7**



**SZN-8**



**SZN-9**



**SZN-10**

# SZN Series

## Heads

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

## Interpupillary distance

Adjustable between 55 and 75 mm.

Dioptic compensation on both eyepiece tubes.

## Eyepieces

EWF10x/22mm, high-point.

## Working distance

110 mm.

## Objectives

Parfocal achromatic zoom 0,67x...4,5x with continuously variable magnification (max. 45x in the standard configuration, can be increased to 225x by using additional accessories).

## Specimen stage:

Except overhanging models, the instruments are fitted with a white disc for contrast and specimen clamps.

Models with transmitted illumination also fitted with frosted glass disc.

## Focusing

By means of rack and pinion system, controlled by a pair of knobs.

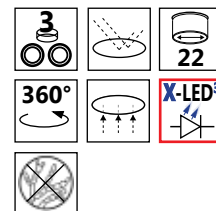
## Illumination

High efficiency X-LED<sup>3</sup> incident illuminators (single or double arm) and 100 mm white LED diffusing disc as transmitted illuminator.

## Stands

The series has different stands for every requirement. Simple for vision without transmitted illumination; base for incident and transmitted illumination; overhanging stands (simple or hinged), that allow very large objects to be viewed and to be handled or worked.

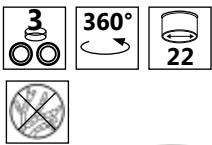
## SZN-6



100mm wide illumination LED disc

# SZN Series - Models

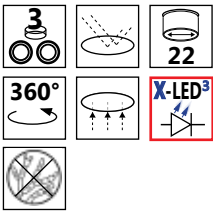
SZN-2



SZN-4

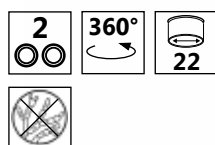


SZN-6

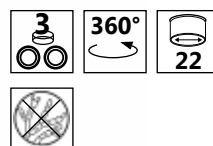


## SZN Series - Models

**SZN-7**



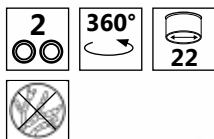
**SZN-8**



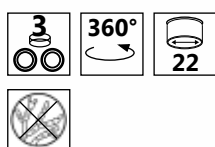


# SZN-4 Model

## SZN-9



## SZN-10



# SZN Series - Technical specifications

Model	Head	Eyepiece	Objectives	Working Distance	Stand	Illumination
<b>SZN-1</b>	Binocular	EWF10x/22	0,67....4,5x	110mm	Pillar stand with rack and pinion system	Without illumination.
<b>SZN-2</b>	Trinocular	EWF10x/22	0,67....4,5x	110mm	Pillar stand with rack and pinion system	Without illumination.
<b>SZN-3</b>	Binocular	EWF10x/22	0,67....4,5x	110mm	Pillar stand with rack and pinion system	Transmitted: 100 mm LED disc Incident: OPTIKA X-LED <sup>3</sup> .
<b>SZN-4</b>	Trinocular	EWF10x/22	0,67....4,5x	110mm	Pillar stand with rack and pinion system	Transmitted: 100 mm LED disc Incident: OPTIKA X-LED <sup>3</sup> .
<b>SZN-5</b>	Binocular	EWF10x/22	0,67....4,5x	110mm	Pillar with rack and pinion system	Transmitted: 100 mm LED disc Incident: double arm OPTIKA X-LED <sup>3</sup> .
<b>SZN-6</b>	Trinocular	EWF10x/22	0,67....4,5x	110mm	Pillar with rack and pinion system	Transmitted: 100 mm LED disc Incident: double arm OPTIKA X-LED <sup>3</sup> .
<b>SZN-7</b>	Binocular	EWF10x/22	0,67....4,5x	110mm	Simple overhanging stand	Without illumination.
<b>SZN-8</b>	Trinocular	EWF10x/22	0,67....4,5x	110mm	Simple overhanging stand	Without illumination.
<b>SZN-9</b>	Binocular	EWF10x/22	0,67....4,5x	110mm	Hinged overhanging stand	Without illumination.
<b>SZN-10</b>	Trinocular	EWF10x/22	0,67....4,5x	110mm	Hinged overhanging stand	Without illumination.

# SZN Series - Accessories

## SZN

### Eyepieces

ST-141	Eyepieces (pair) WF10x/22mm
ST-142	Eyepieces (pair) WF15x/16mm
ST-143	Eyepieces (pair) WF20x/12mm
ST-144	Eyepieces (pair) WF25x/9mm
ST-145	Eyepiece micrometric WF10x/22mm

### Additional lenses

SAO0.3	Additional lens 0,3x (w.d. 287 mm)
SAO0.5	Additional lens 0,5x (w.d. 185mm)
SAO0.75	Additional lens 0,7x (w.d. 120mm)
SAO1.5	Additional lens 1,5x (w.d. 49mm)
SSAO2	Additional lens 2x (w.d. 28mm)

### Photo & Video adapters

ST-146	SLR Reflex camera adapter for full frame sensor
ST-147	CCD camera adapter (for 1/3" sensors)
ST-147.1	CCD camera adapter (for 1/2" sensors)
ST-173	APS-C Reflex camera adapter

### Additional Accessories

ST-088	Polarising set (filters and rotating stage) *
ST-040	Darkfield condenser *
ST-100	Moving stage *
ST-110	Moving stage, with coaxial knobs
ST-111	Moving stage, with micrometer screws
ST-666	Heating stage, with digital temperature controller

### 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



C-MOUNT

WITH LENS

1/2

1/3

ST-147

ST-147.1

NOT NECESSARY

### DIGI



NOT NECESSARY

### REFLEX APS-C



T/2\*



ST-173

### REFLEX Full frame 35mm



T/2\*



ST-146



\*T/2 is not supplied by OPTIKA

**SZN**  
Trinocular versions