

## MODULAR Series

Modular stereozoom microscopes for industry



# MODULAR Series - Heads

The MODULAR series has been designed to match professional needs in industrial field.

With a wide range of stereozoom heads and special stands, it allows you to build your own model on the basis of your needs.

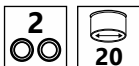
<b>SZM-B</b>	Stereomicroscope binocular zoom head 7x...45x, with eyepieces.
<b>SZM-T</b>	Stereomicroscope trinocular zoom head 7x...45x, with eyepieces.
<b>SZN-B</b>	Stereomicroscope binocular zoom head 6,7x...45x, with eyepieces.
<b>SZN-T</b>	Stereomicroscope trinocular zoom head 6,7x...45x, with eyepieces.
<b>SZP-6</b>	Stereomicroscope binocular zoom head 8x...50x, with eyepieces, GALILEAN optical system.
<b>SZP-6ERGO</b>	Stereomicroscope binocular zoom ERGO head 8x...50x, with eyepieces, GALILEAN optical system.
<b>SZP-8</b>	Stereomicroscope binocular zoom head 8x...64x, with eyepieces, GALILEAN optical system.
<b>SZP-8ERGO</b>	Stereomicroscope binocular zoom ERGO head 8x...64x, with eyepieces, GALILEAN optical system.
<b>SZP-10</b>	Stereomicroscope binocular zoom head 8x...80x, with eyepieces; GALILEAN optical system.
<b>SZP-10ERGO</b>	Stereomicroscope binocular zoom ERGO head 8x...80x, with eyepieces; GALILEAN optical system.



# MODULAR Series - SZM Heads



**SZM-B**



## SZM-B Binocular stereozoom head

45° inclined, 360° rotatable;  
WF10x/20mm high-point widefield eyepieces;  
Interpupillary distance: 51-75 mm;  
Dioptric adjustment: +/-5 dp;  
0,7x...4,5x zoom objective;  
Zoom ratio: 6,43:1;  
Working distance: 100 mm.



**SZM-T**



## SZM-T Trinocular stereozoom head

45° inclined, 360° rotatable;  
WF10x/20mm high-point widefield eyepieces;  
Interpupillary distance: 51-75 mm;  
Dioptric adjustment: +/-5 dp;  
0,7x...4,5x zoom objective;  
Zoom ratio: 6,43:1;  
Working distance: 100 mm.

# MODULAR Series - Accessories

## Eyepieces

- ST-081 Eyepieces (pair) WF10x/20 mm.
- ST-082 Eyepieces (pair) WF15x/15 mm.
- ST-083 Eyepieces (pair) WF20x/10 mm.
- ST-084 Eyepiece micrometer WF10x/20 mm.

## Additional lenses

- ST-085 Additional lens 0,5x (w.d. 165mm).
- ST-091 Additional lens 0,75x (w.d. 117mm).
- ST-086 Additional lens 1,5x (w.d. 47mm).
- ST-087 Additional lens 2x (w.d. 26mm).

## Photo & Video adapters

- 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).
- M-173 Photo adapter for APS-C and Full Frame Reflex cameras.
- M-114 CCD camera adapter 0,45x.
- M-116 CCD camera adapter 0,50x.
- M-113.1 Ring adapter, 30mm (for monocular and binocular microscopes).



## How to connect the cameras to our microscopes.

Please refer to the Adapter reference list on Digital section.

# MODULAR Series - SZN Heads

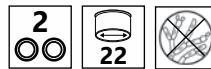
## SZN-B Binocular stereozoom head

45° inclined, 360° rotatable;  
WF10x/22mm high-point widefield eyepieces;  
Interpupillary distance: 55-75 mm;  
Dioptric adjustment: +/-5 dp;  
0,67x...4,5x zoom objective;  
Zoom ratio: 6,72;  
Working distance: 110 mm.

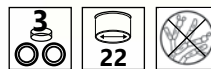
## SZN-T Trinocular stereozoom head

45° inclined, 360° rotatable;  
WF10x/22mm high-point widefield eyepieces;  
Interpupillary distance: 55-75 mm;  
Dioptric adjustment: +/-5 dp;  
0,67x...4,5x zoom objective;  
Zoom ratio: 6,72;  
Working distance: 110 mm.

### SZN-B



### SZN-T



# MODULAR Series - Accessories

## 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 micrometer WF10x/22mm.

## Additional lenses

SAO0.3	Additional lens 0,3x (w.d. 287mm).
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).
SAO2	Additional lens 2x (w.d. 28mm).

## Photo & Video adapters

ST-146	Photo adapter for REFLEX camera with FULL FRAME sensor.
ST-147	CCD camera adapter (for 1/3" sensors).
ST-147.1	CCD camera adapter (for 1/2" sensors).
M-173	Photo adapter for APS-C and Full Frame Reflex cameras.
M-114	CCD camera adapter 0,45x.
M-116	CCD camera adapter 0,50x.
M-113.1	Ring adapter, 30mm (for monocular and binocular microscopes).



## How to connect the cameras to our microscopes.

Please refer to the Adapter reference list on Digital section.

# MODULAR Series - SZP Heads

## SZP-6 Stereomicroscope binocular zoom head 8x...50x, with eyepieces, GALILEAN optical system

30° inclined, 360° rotatable;  
 WF10x/22mm high-point widefield eyepieces;  
 Interpupillary distance: 52-75 mm;  
 Dioptic adjustment: +/-5 diopters;  
 Objective: 1xPL;  
 0,8x...5x zoom objective;  
 Zoom ratio: 6:1;  
 Working distance: 80 mm.

## SZP-8 Stereomicroscope binocular zoom head 8x...64x, with eyepieces, GALILEAN optical system

30° inclined, 360° rotatable;  
 WF10x/22mm high-point widefield eyepieces;  
 Interpupillary distance: 52-75 mm;  
 Dioptic adjustment: +/-5 diopters;  
 Objective: 1xPL;  
 0,8x...6,4x zoom objective;  
 Zoom ratio: 8:1;  
 Working distance: 80 mm.

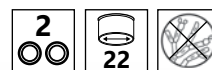
## SZP-10 Stereomicroscope binocular zoom head 8x...80x, with eyepieces; GALILEAN optical system

30° inclined, 360° rotatable;  
 WF10x/22mm high-point widefield eyepieces;  
 Interpupillary distance: 52-75 mm;  
 Dioptic adjustment: +/-5 diopters;  
 Objective: 1xPL;  
 0,8x...8x zoom objective;  
 Zoom ratio: 10:1;  
 Working distance: 80 mm.

Other available models SZP-6ERGO, SZP-8ERGO, SZP-10ERGO

Binocular ERGO head 0°-35° inclined, 360° rotatable  
 Diopter adjustment on both eyepieces +/- 5 diopters.

### SZP-6

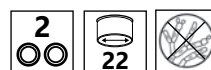


### ST-170

### ST-172



### SZP-ERGO



Stand not included

# MODULAR Series - Accessories

### Eyepieces

- ST-160 Eyepiece (pair) WF10x/22mm.
- ST-161 Eyepiece (pair) WF15x/15mm.
- ST-162 Eyepiece (pair) WF20x/12mm.
- ST-163 Eyepiece micrometer WF10x/22mm.

### Objectives

- ST-165 Objective 0,3x (w.d. 280mm).
- ST-166 Objective 0,5x (w.d. 118mm).
- ST-167 Objective 2x (w.d. 32,5mm).

### Photo & Video attachments and adapters

- ST-170 Photo/Video beam splitter - 1 port.
- ST-171 Photo/Video beam splitter - 2 ports.

- ST-172 Iris diaphragm module.
- M-173 Photo adapter for APS-C and Full Frame Reflex cameras.
- ST-174 CCD camera adapter (for 1/3" sensors).
- M-114 CCD camera adapter 0,45x.
- M-116 CCD camera adapter 0,50x.
- M-113.1 Ring adapter, 30mm (for monocular and binocular microscopes).
- ST-176 Protective glass for SZP Series.



### How to connect the cameras to our microscopes.

Please refer to the Adapter reference list on Digital section.

## MODULAR Series - Stands

The MODULAR series has been designed to match professional needs in industrial field.

With a wide range of stereozoom heads and special stands, it allows you to build your own model on the basis of your needs.

<b>ST-150</b>	Large stand, pillar type.
<b>ST-151</b>	Large stand, pillar type, with LED illumination.
<b>ST-152</b>	Large stand, fixed arm type.
<b>ST-153</b>	Large stand, fixed arm type, with LED illumination.
<b>ST-155</b>	Large stand, fixed arm type, with LED illumination (incident & transmitted).
<b>ST-156</b>	Large stand, fixed arm type, with LED illumination, coaxial macro & micro focusing knobs.
<b>SZ-STL1H</b>	Simple overhanging stand, with focusing system and head holder.
<b>SZ-STL2H</b>	Hinged overhanging stand, with focusing system and head holder.
<b>SZ-STL8</b>	Pillar stand type, with double X-LED illuminator, ergonomic flexible arms and 60 chip Leds disc trans-illuminator.
<b>SZ-STL5</b>	Industrial stand, with table clamp and holder for wall mount.





# MODULAR Series - Stands

## ST-150



### ST-150

Large plain stand with head holder and focusing mechanism. Pillar type. Base: 320x280mm. Pillar: Ø32x360mm.

## ST-151



### ST-151

Large plain stand with head holder and focusing mechanism. LED trans-illuminator with intensity control. Pillar type. Base: 320x280mm. Pillar: Ø32x360mm.

## ST-152



### ST-152

Large plain stand with head holder and focusing mechanism. Fixed arm type. Base: 320x280mm. Fixed arm: 360mm.

## ST-153



### ST-153

Large plain stand with head holder and focusing mechanism. LED trans-illuminator with intensity control. Fixed arm type. Base: 320x280mm. Fixed arm: 360mm.

# MODULAR Series - Stands

## ST-155



### ST-155

Modern stand with large base. LED trans-illuminator and LED incident illuminator, both with intensity control. \*Head not included.

### ST-156

Modern stand with large base. LED trans-illuminator and LED incident illuminator, both with intensity control. Coaxial coarse and fine focusing system. \* Head not included.

## ST-156



## SZ-STL1H



### SZ-STL1H

Simple overhanging stand with head holder. Base dimensions: 230x230mm. Pillar:  $\varnothing$ 32x380mm. Horizontal arm: 430mm. \* Head not included



# MODULAR Series - Stands

## SZ-STL2H

### **SZ-STL2H**

Hinged overhanging stand with head holder. Base dimensions: 260x210mm. Pillar: Ø32x380mm. Horizontal arm: 550mm.  
\* Head not included



### **SZ-STL8**

Modern stand with small base. With 2 incident X-LED illuminators on flexible arms, and high brightness LED disc trans-illuminator (100mm diameter).

## SZ-STL8

# MODULAR Series - Stands

## SZ-STL5



### SZ-STL5

Industrial stand, table clamp and holder for wall mount.

Weight Capacity: 3kg~8kg.

Maximum Extension: 577mm.

Depth from Pole (Closed): 75mm.

Tilt adjustment: +/-90 degree.

Swing adjustment: +/-90 degree.

\* Head not included



## SZ-STL5

## SZ-STL5LED

Stand with white X-LED<sup>3</sup> incident illumination system. Intensity control using two dedicated knobs. LED power: 3.5W (x2), each comparable to a 50W halogen bulb.

Color temperature: 6300K.

LED average lifetime: approx. 50000h.

Provided power supply: 6V 2,5A.

\* Head not included

## SZ-STL5LED



### Headquarters and Manufacturing Facilities

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