

## SZM-D

Digital stereozoom microscope



# SZM-D

The stereomicroscopes of the SZM series are instruments specifically designed for laboratory and industry applications. Their optical and mechanical qualities place them at the top of that sought-after category of appliances and the price/quality ratio is exceptionally good.

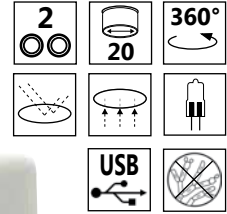
Sharing the same optical system consisting of binocular and trinocular heads with zoom objectives, the four models of the SZM series find their proper application wherever professional instruments are required at a particularly contained cost.

The numerous accessories provide an ample choice of possible configurations and extend the flexible use of the instruments.

SZM-D stereozoom microscope is our best option when an ease of use and a good quality for the image are required.

By using the built-in camera with its USB port the connection with the pc will be simple and quick.

## SZM-D



# SZM-D Model - Technical specifications

Model	Head	Objectives	Stand	Illumination
SZM-D	Binocular	0,7x.... 4,5x Zoom	Pillar stand	Incident and transmitted 12V/15W halogen with separated brightness controls

## Technical specifications of the built-in camera

<b>Resolution</b>	1280 x 1024 pixels (1,3 Mpixels)
<b>Sensor</b>	CMOS 1/3"
<b>Pixel Size</b>	5.2 µm x 5.2 µm
<b>Imaging Area</b>	6.67 mm x 5.33 mm
<b>Frame Rate at Full Resolution</b>	15 frames/sec
<b>Frame Rate at 640x480</b>	30 frames/sec
<b>Optical Format</b>	1/2"
<b>Aspect Ratio</b>	4:3
<b>S/N Ratio</b>	44 dB
<b>Dynamic Range</b>	71 dB
<b>ADC</b>	10 bit
<b>Data Output (Uncompressed Video)</b>	3x8 bit
<b>Exposure Range</b>	0-70 msec
<b>Sensitivity</b>	1,0V/Lux-second
<b>C-Mount Lens Adapter</b>	no
<b>System Requirements</b>	Windows XP/Vista, Win7, Win8, 32 & 64Bit , USB 2.0
<b>Software</b>	Optika Vision Lite, Optika view, TWAIN interface, several freeware for image elaboration
<b>Capture Features</b>	Continuous auto white balance, continuous auto exposure
<b>Included with the camera</b>	Optika Vision Lite package, 1.5 m USB cable.



# SZM-D Model - Accessories

## SZM-D

- ST-081 Eyepieces (pair) WF10x/20 mm.
- ST-082 Eyepieces (pair) WF15x/15 mm.
- ST-083 Eyepieces (pair) WF20x/10 mm.
- ST-084 Micrometric eyepiece WF10x/20 mm.
- 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).
- ST-088 Polarising set (filters and rotating stage).
- ST-040 Darkfield condenser.
- ST-041 Sample clip.
- ST-100 Hand moving stage.
- 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.

## 15104 - Lens cleaner, 50ml

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





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**Use the above details to contact us if this literature doesn't answer all your questions.**

**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

