

## 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

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







# WolfLabs

**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.

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Please contact us if this literature doesn't answer all your questions.