

OPTIKA

M I C R O S C O P E S
I T A L Y

Digital stereozoom microscope

SZM-D

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SZM-D - Technical specifications

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

Technical features of the built-in camera

Resolution	1280 x 1024 pixels (1.3 M pixels)
Sensor	CMOS 1/2"
Pixel Size	5.2 μm x 5.2 μm
Imaging Area	6.67 mm x 5.33 mm
Frame Rate at Full Resolution	7.5 frames/sec (fps)
Frame Rate at Half Resolution	15 frames/sec (fps)
Optical Format	1/2"
Aspect Ratio	5:4
S/N Ratio	max 45 dB
Dynamic Range	68.2 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 2000 / XP SP2 / Vista / Seven 32bit, USB 2.0
Software	Optika Vision Lite, 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 - Accessories

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



15103 - Lens cleaner, 50ml

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



OPTIKA SRL

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