



Model:  
**SZM-D**

Typology:  
**DIGITAL STEREOZOOM MICROSCOPE**

Description:  
*Stereomicroscope for laboratory and industry applications.*

<b>Illumination</b>	Dual illuminator adjustable for transmitted and reflected light, intensity control with two knobs on the right side of the base. The illumination angle in reflected light is adjustable. Two halogen bulbs 12V/15W provided. Voltage: 110/220 Vac, 50/60Hz, 1A ; Fuses: T1A 250V Max power required: 38W
<b>Focusing</b>	By means of a rack and pinion controlled by a pair of knobs placed on both sides of the stereomicroscope.
<b>Stage</b>	Fitted with a black disc and a white disc for contrast. Specimen clamps. Frosted glass disc for transmitted light.
<b>Stand</b>	Pillar stand height 25 cm. Base: 26x20x6h cm. Weight: 6 Kg
<b>Head</b>	Binocular rotating 360° and 45° inclined. Diopter adjustment on both eyepieces. Interpupillary adjustment 51-75 mm.
<b>Eyepieces</b>	Widefield eyepieces WF10x/20 with field number 20.
<b>Objectives</b>	Parfocal achromatic objective 1X Working distance: 100 mm Zoom range: 0,7x - 4,5x Zoom factor: 6,428:1
<b>Accessories</b>	Instruction manual and dust cover included.
<b>Sensor</b>	CMOS 1/3"
<b>Pixel</b>	3,6x3,6 micron
<b>Resolution</b>	1280 x 1024 pixels (1,3 Mpixels)
<b>Frame rate at full resolution</b>	15 frames/sec (1280x1024)
<b>Frame rate at other resolutions</b>	55 frames/sec (640x480) 142 Frame/sec (320x240)
<b>Optical format</b>	1/3"
<b>Aspect ratio</b>	5/4
<b>S/N ratio</b>	44 dB
<b>Dynamic range</b>	71 dB
<b>Sensitivity</b>	1,0 V/Lux-second (550 nm)
<b>RGB</b>	8 bit
<b>Exposure control</b>	Automatic/manual
<b>White balance</b>	Automatic/manual
<b>Scan mode</b>	Progress
<b>Shutter</b>	Electronic rolling shutter
<b>Control parameter</b>	Image size, brightness, gain, exposure time, color
<b>Data interface</b>	USB 2.0 / 480mb/sec
<b>Filter</b>	RGB bayer
<b>System requirements</b>	Windows XP/Vista/win7/win8/32-64 bit usb 2.0
<b>Software</b>	Optika Vision Lite / OPTIKA View
<b>Drivers</b>	Optika driver, TWAIN, SDK
<b>Capture features</b>	Continuous auto white balance, continuous auto exposure
<b>Accessories included</b>	1.8 m USB cable, CD-ROM
<b>Calibration slide</b>	No