



Model:
SZM-D

Typology:
DIGITAL STEREOZOOM MICROSCOPE

Description:
Stereomicroscope for laboratory and industry applications.

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