



Model:
SFX-91D

Typology:
EDUCATIONAL STEREO MICROSCOPE

Description:
Entry-level stereomicroscope for routine and educational fields.

MICROSCOPE SPECIFICATIONS

Head	Binocular digital, 45° inclined. Adjustable dioptic compensation on both eyepiece tubes. Interpupillary distance adjustable between 53 and 75 mm.
Eyepieces	Wide Field, WF 10x/20.
Objectives	1x – 2x – 4x selectable. Working distance: 60 mm.
Stand	Precision Fixed with focus mechanism, with handle.
Focusing	By means of a rack and pinion controlled by a pair of knobs placed on both sides of the microscope.
Stage	Fitted with a semi-transparent plastic disc for transmitted light with specimen clamps.
Illumination	Double adjustable illuminator for incident and transmitted light fitted with two high-efficiency 1 W LED light sources. Touch brightness control. Input Voltage: 110/240 Vac, 50/60 Hz. Maximum power consumption: 3 W. Internal NiMH rechargeable battery. Up to 8 hours of use from a single charge, LED at medium intensity. Recharging time: approx. 8 hours.
Dimensions	HEIGHT: 288 mm WIDTH: 183 mm DEPTH: 205 mm WEIGHT: 2.5 kg

CAMERA SPECIFICATIONS

Digital camera resolution	3 MP
Analog camera resolution	NO
Signal output	USB 2.0
Audio Signal	NO
Sensor Size	1/2"
Sensor technology	CMOS
Image format	4/3
Full Image size	2040x1528
Pixel size	3.2 x 3.2 μm
Frame rate full resolution	13 fps
Frame rate other resolutions	40 fps (1016x760), 79 fps (632x472)
Sensitivity	1.0 V/lux-sec (550 nm)
Signal / noise ratio	43 dB
Dynamic range	54 dB
Max Exposure time	320 msec
ADC conversion	8 bit
Color Depth	8 bit
On camera IR Filter	680 nm
Automatic White Balance	Auto - Man
Automatic Gain Control	Auto - Man
Automatic Back light control	Auto - Man
Exposure control	Auto - Man

SOFTWARE SPECIFICATION

System requirements	Windows XP / Win 7 / Win 8 / Win 10 (32 o 64 bit) USB 2.0
Supplied Software	Optika Vision Lite.
Driver types	Optika driver, TWAIN.
Capture features	Continuous auto white balance, continuous auto exposure, image size, image capture, compressed video capture.
Control parameters	Image size, brightness, gain, exposur time, colors, monochrome, color enhancement, flip, speed.

ACCESSORIES

Calibration Slide	Not included.
Accessories included	1.8 m USB cable, installation, CD, manual and dust cover.