

OPTIKA SZM-D Digital Stereo Microscope
TECHNICAL SPECIFICATIONS:

Model:

SZM-D

Head:

Binocular

Objectives:

0,7 4,5x Zoom

Stand:

Pillar stand

Illumination:

Incident and transmitted 12V/15W halogen with separated brightness control.



TECHNICAL SPECIFICATIONS 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

Frame Rate at Half Resolution:

15 frames/sec

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® software package, 1.5 m USB cable.