



## Automatic Focus Digital Microscope

For Stereo Micro Observation

# Super High-Definition & Automatic Focus Tracking Digital Microscope

**SDG.61.S600** Macroscope  
Super High-Definition /HDMI /USB  
Auto Focus / Wireless Control  
320x Motorized Zoom

### Specification

Digital Zoom:6X~320X  
Frame Rate:60fps  
Resolution:4K  
Data output: HDMI & USB  
Focus: Auto & Manual  
Zoom: Motorized

### Dimensions and weight

Zoom Body  
Length: 356mm  
Height:128 mm  
Width: 90mm  
Weight:720g

Digital microscopes are microscopes without eyepieces. A digital camera acts as a detector. Images are displayed on a screen or monitor, turning the microscopy workstation into an ergonomic digital workplace.

For inspection, documentation, and analyses such as measurement in 2D and 3D as well as 3D topographies in surface metrology, they have become increasingly popular in production, quality control and quality assurance, failure analysis, research and development as well as forensics. Digital microscopes even have their

# DATA SHEET

## 1 Sensor Specification :

- 1.1 Sensor : Super High-Definition BSI Color CCD ,
- 1.2 Max Pix : 6M pixel
- 1.3 Size : Diagonal 9mm
- 1.4 Format : 16 : 9
- 1.5 Scan Mode : Progressive scan

## 2 Optic Specification :

- 2.1 Motorized Zoom lens : 1x~320x Zoom
- 2.2 Professional Light : Polarizing ring Light
- 2.3 Focusing Tracking : Auto/Manual
- 2.4 Central Focus Tracking : Auto/Manual
- 2.5 Lens Defogging function : Support Automatic Open
- 2.6 Spectral responsiveness : VIS~NIR
- 2.7 Optical Anti-reflection : Sensor Windows adopt Multilayer AR Anti-reflection technology
- 2.8 Lens Servo System : High speed wave motorized lens, noise-free



## 3 Electrical Specification :

- 3.1 Dynamic Range : 75dB
- 3.2 SN Ratio : 72dB
- 3.3 A/D Converter : 12-bit
- 3.4 Video Frame rate : Preview Model 60fps@1080P
- 3.5 Exposure : Manual/Auto
- 3.6 White Balance : Professional D65/D50 Light Source Color Temperature Calibration
- 3.7 Digital ROC : OPLENIC Ultron™ color Engine ,
- 3.8 Remote Control : 2.4GHz Wireless Communication camera control , Reduce Artificial jitter disturbance
- 3.9 Data Transfer : HDMI export
- 3.10 Image Storage : Max Support 128GB High-speed SD card



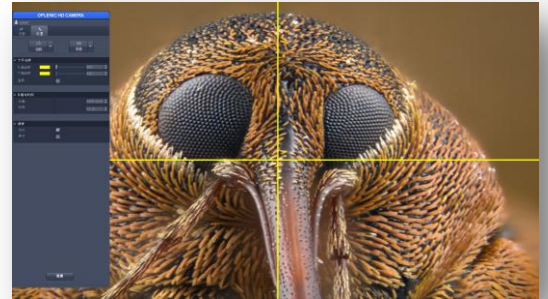
## 4 Operation Data :

- 4.1 Brightness : Manual/Auto , Target value setting, Luminance gain setting

- 4.2 Color Setting : Automatic calibration , D65Automatic color temperature compensation、 RGB Channel saturation correction
- 4.3 Image Zoom : click +/- to zoom , or use mouse wheel to zoom
- 4.4 Focus Tracking : Manual/Automatic , Mouse wheel can make fine focusing
- 4.5 Anti-Flash : Built-in Anti-stroboscopic exposure algorithm
- 4.6 Wide Dynamic : Three Level Video dynamics HDR filter
- 4.7 Image Denoising : Video dynamic noise reduction algorithm
- 4.8 Image Storage : SD card

## 5 Other Function :

- 5.1 Image Flip : Flip H、 Flip V
- 5.2 Cross Line : Several Color Option
- 5.3 Time Setting : Date and Time
- 5.4 Language : English/Chinese
- 5.5 Initialization button : Factory Defaults



## Distributor Information

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