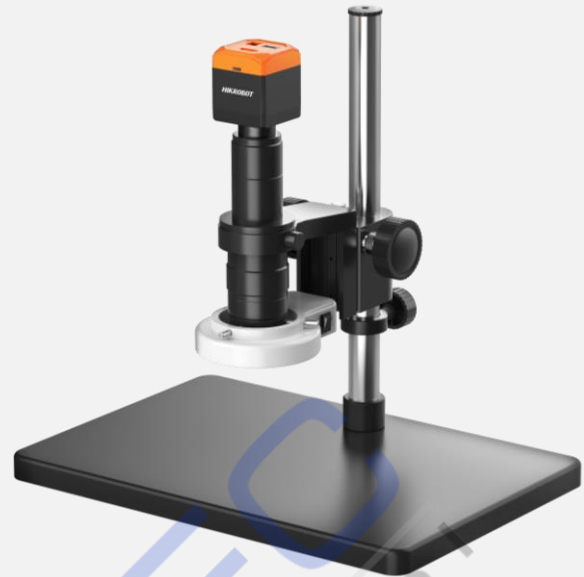


MV-MZS200H-100 Zoom Microscope System

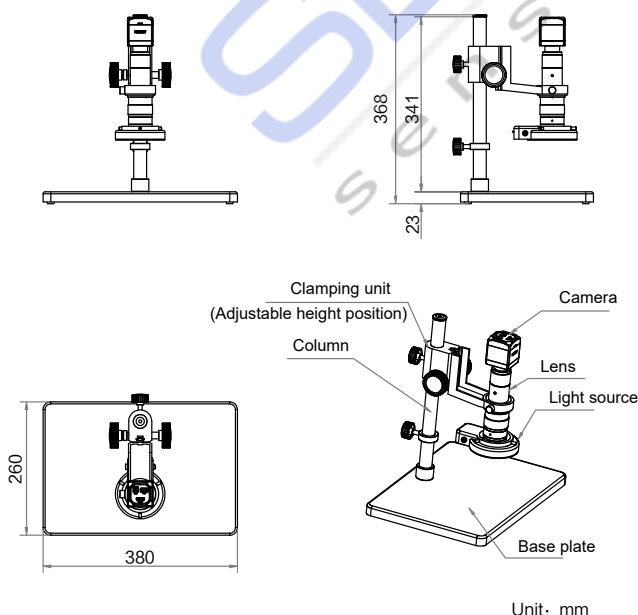
The MV-MZS200H-100 zoom microscope system adopts a continuous zoom optical system, supports a variety of image processing functions, does not require a computer, and can be directly connected to a monitor for real-time image observation.



Features

- Continuously variable magnification optical system, clear imaging, low distortion
- 2MP high-definition image quality, 60 fps high frame rate output
- Self-contained system, no computer required, HDMI direct connection to monitor for observation
- USB2.0 interface supports mouse peripherals, easy and convenient operation
- Support cross-hair image auxiliary function
- Supports multiple image adjustment functions, including white balance, brightness, sharpness, 2D noise reduction, saturation, contrast, gamma, digital wide dynamic, etc.

Dimensions



Application Industry

Electronic semiconductors, PCBA, biomedicine, etc.

Order Model

MV-MZS200H-100



Technical Parameters

Model	MV-MZS200H-100
Parameter	Zoom microscope system
Camera	
Sensor Type	CMOS, rolling shutter
Pixel size	3.75 μm \times 3.75 μm
Sensor size	1/2"
Resolution	1920 \times 1080
Max. frame rate	60 fps
Gain	0 dB ~ 42 dB
Exposure time	300 μs ~ 100 ms
Black and white/color	color
Shutter Mode	Support automatic exposure and manual exposure modes
Mirroring	Support horizontal mirroring and vertical mirroring
Lens	
Ocular	0.5 x
Objective	0.6 x ~ 4.5 x
Optical magnification	0.3 x ~ 2.25 x
Digital magnification	20 x ~ 153 x (with 21.5-inch monitor)
Field of view	3.2 \times 1.8 mm ~ 24 \times 13.5 mm
Working distance	100 \pm 5 mm
Light source	
Color	White
Color Temperature	6500 ~ 7000 K
Dimming level	0 ~ 100%
Opening diameter	Φ 61 mm
Electrical Characteristics	
Data transmission	HDMI
Control interface	USB2.0
Power	12 VDC/1 A
Power consumption	Camera: 1.9 W @ 12 VDC
Power consumption	Light source: 3.5 W
Construction	
Focus bracket	Lifting height 62 mm
Dimensions	Camera: 50 mm \times 50 mm \times 55.4 mm Lens: Φ 58 mm \times 166.3 mm Light source: Φ 97 mm \times 123.5 mm Base: 380 mm \times 260 mm \times 23 mm Column: Φ 25 mm \times 341 mm
Weight	Approx. 3000 g
Temperature	Working temperature 0 $^{\circ}$ C ~ 50 $^{\circ}$ C, storage temperature -30 $^{\circ}$ C ~ 80 $^{\circ}$ C
Humidity	20% ~ 95%RH non-condensing