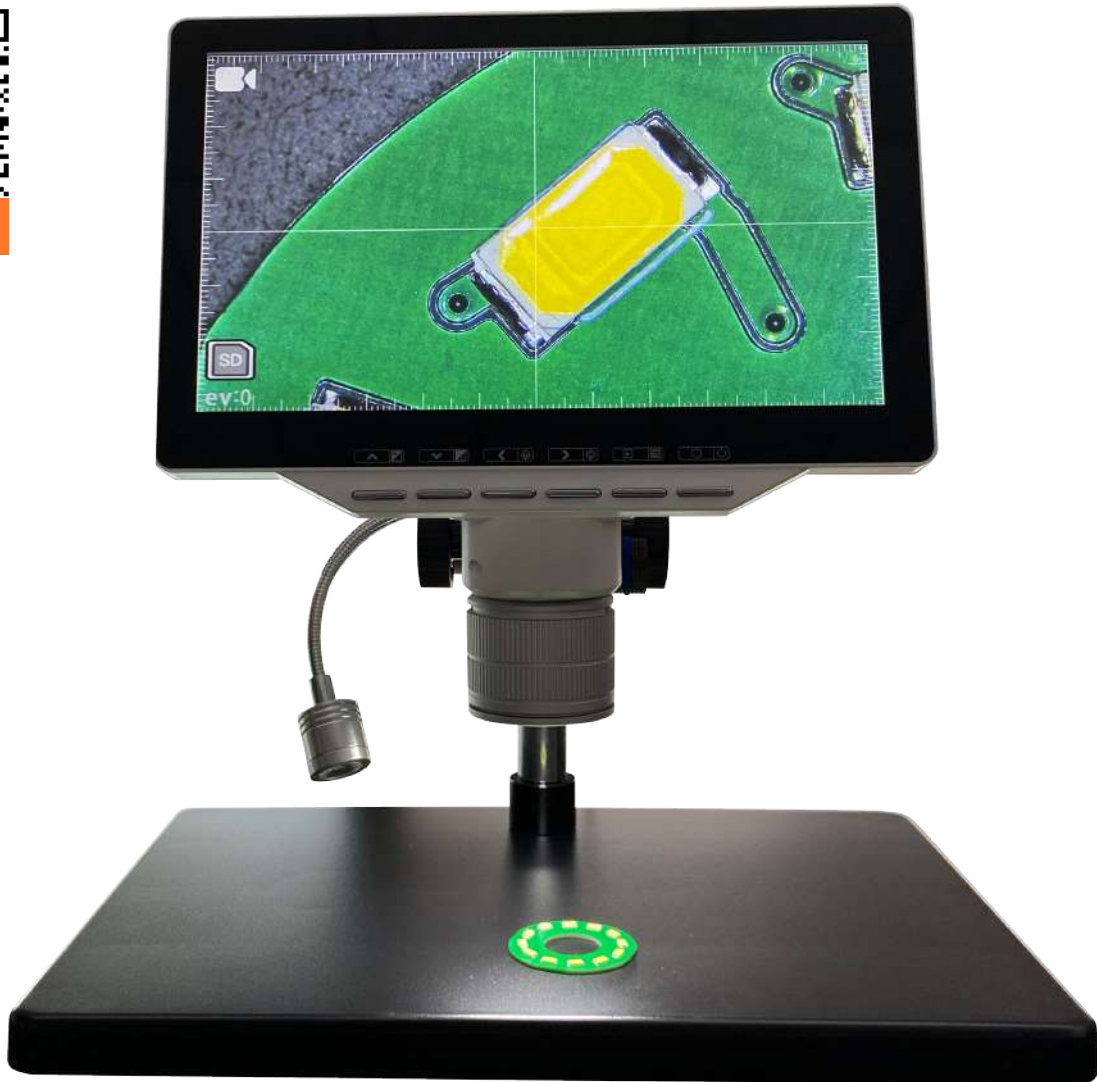


## iVideo-106 Digital Video Microscope



Video



### Contact us

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## Product Features and Application

This digital microscopes have numerous significant advantages:

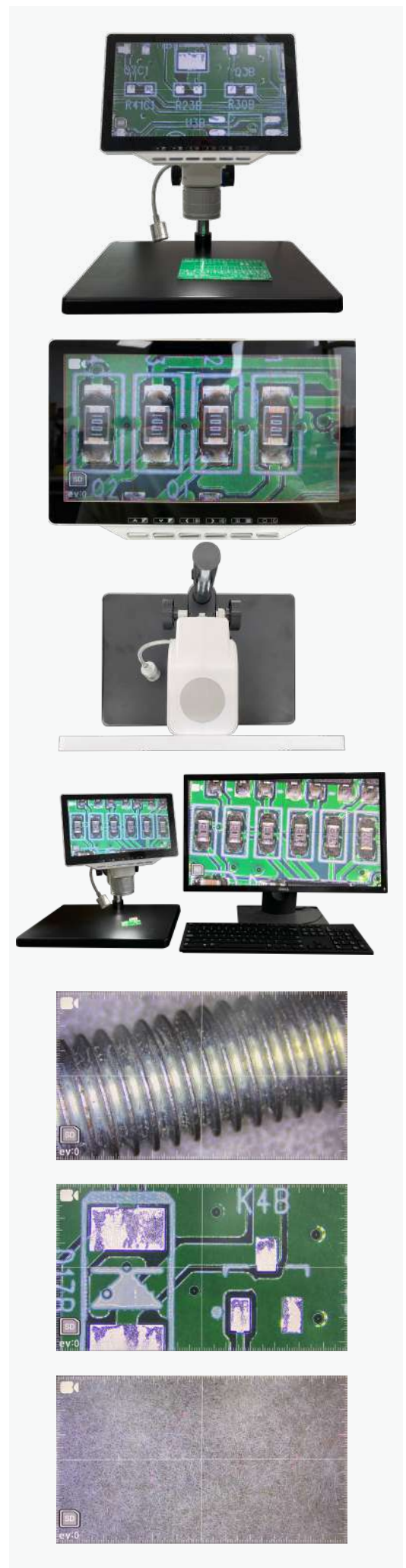
Excellent technical parameters, a 10.6-inch IPS LCD screen with clear display, powerful digital functions, supports wide dynamic and high-definition shooting and recording, and has multiple practical functions. It has high-quality optical performance, continuous zoom of the objective lens, reasonable platform design, diverse lighting modes, suitable focusing and working distance parameters, and stable power supply; Easy to operate, with a well-designed microscope body and practical knob functions for focusing, fixing, and illumination switching.

### Product Features

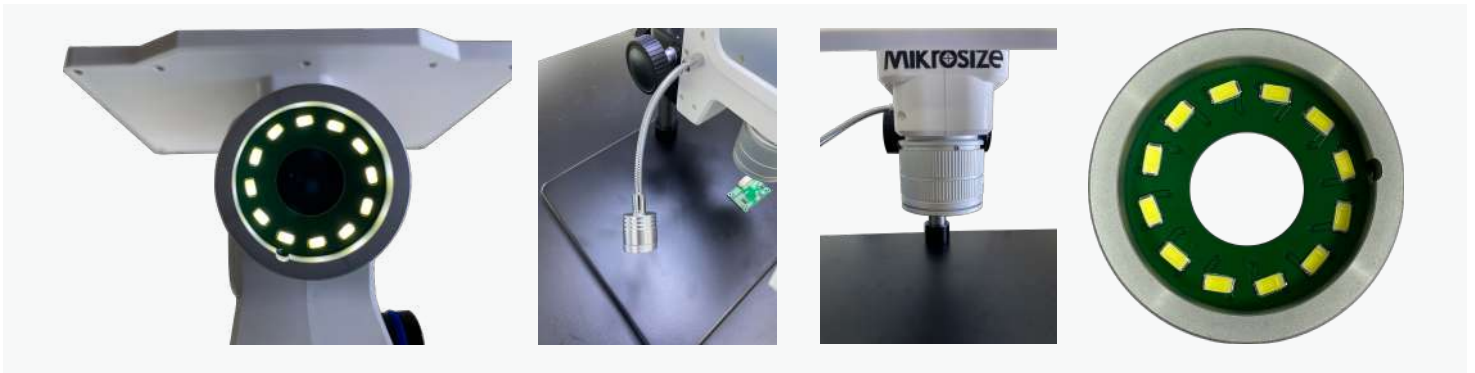
- High resolution screen: adopts 10.6 inch IPS LCD, resolution is up to 1366 \* 768, can present extremely clear microscopic image details;
- The widescreen display ratio of the IPS screen provides a wider field of view to observe a larger area of microscopic samples;
- IPS technology ensures the screen has excellent color restoration ability, and can accurately present the real color of microscopic samples;
- Users can see the image on the screen from different views clearly, instead of color distortion or image blur;
- With 1200w photo pixels, can take high quality micro images; video resolution of 1080p / 60 fps, can record the smooth micro dynamic process;
- The automatic exposure function can automatically adjust the exposure time according to the illumination condition of the sample to ensure the moderate brightness of the image; the automatic white balance function can correct the color deviation of the image and make the image color more real;
- Support video mode, photo mode and playback mode, and can be switched through simple key operation;
- Using HDMI video interface, can be connected to the projector, display and other equipment, convenient to display micro images on a larger screen;
- SD card storage (32G)

### Product Application

- Zoology, botany, entomology, histology, mineralogy, archaeology, geology and dermatology;
  - In the textile industry, used for the inspection of raw materials and cotton fabric;
  - In the electronic industry, as a transistor spot welding, inspection and other operation tools;
  - Inspection of the surface crack composition of various materials, stoma shape and corrosion situation and other surface phenomena;
  - In the manufacture of small precision parts, devices used for machine tools, observation of the working process, inspection of precision parts and assembly tools;
  - Surface quality of lenses, prisms or other transparent substances, and quality inspection of precision scale;
- Widely used in chemical chemistry, electronic manufacturing, pharmaceutical food, universities, archaeological research and many other fields.



## Product Structure



**1.10.6 inch IPS LCD**

**3.Main Illumination: Change conveniently**

**5.Round column**

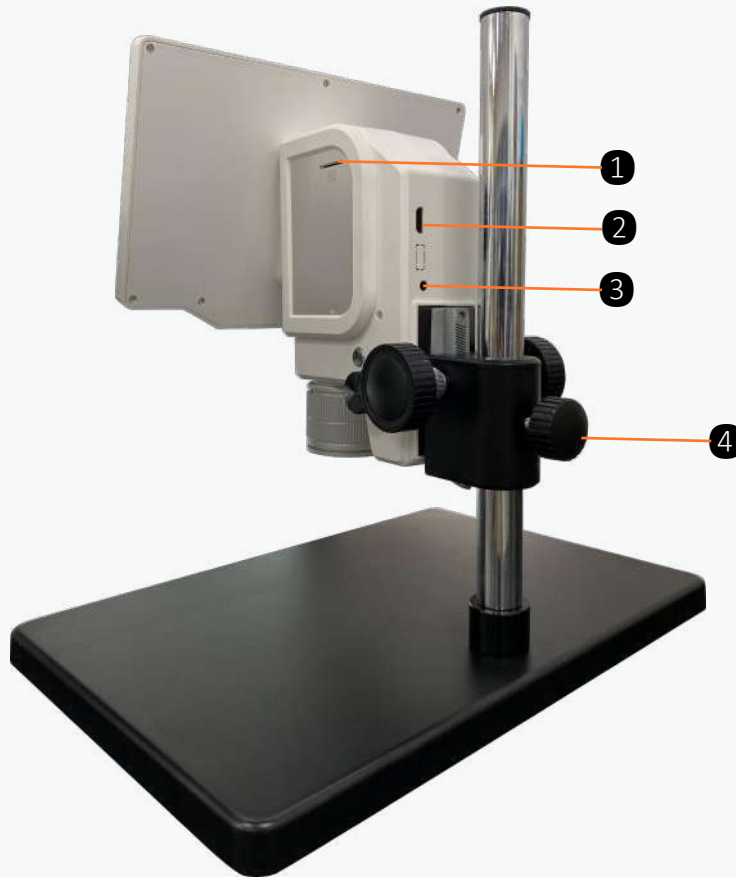
**2.Continuous zoom lens: 0.7-4.5X**

**4.Side Illumination**

**6.Base**



## Product Structure



**1.SD card slot**

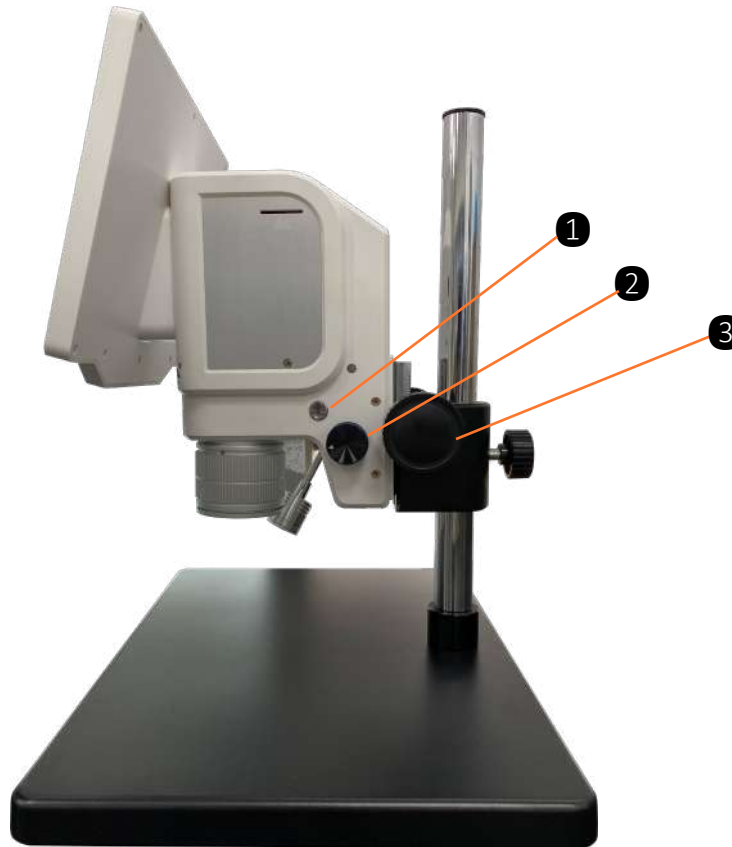
**2.HDMI interface**

**3.Power interface**

**4.Fixed knob**



## Product Structure



**1.Illumination switch button**

**2.Light brightness adjustment knob**

**3.Focal knob: through this knob, you can adjust the image clarity**



Key Function



Display key function description (display from left to right)

①	②	③	④	⑤	⑥
Key	Browse mode		Menu and Playback mode		
① 	/		Up key		
② 	/		Down key		
③ 	"+" key Change scale mode		Left key		
④ 	"- " Key Change the color		Right key		
⑤ 	Short press is mode switch button (video mode, photo mode, playback mode)		/		
⑥ 	Take photos and video keys		Is OK confirmation key, long press is shutdown key		

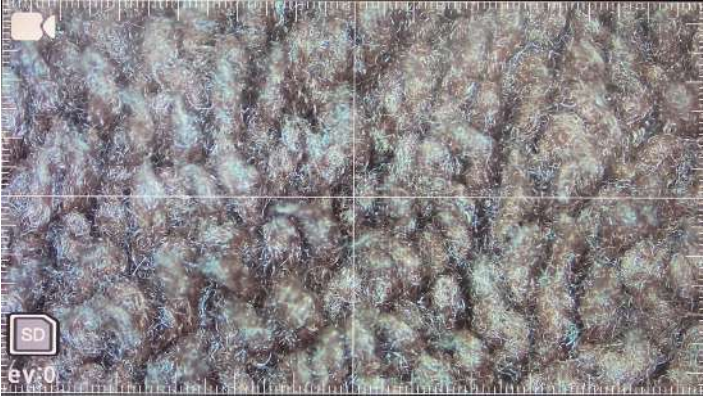


## Microscope Function

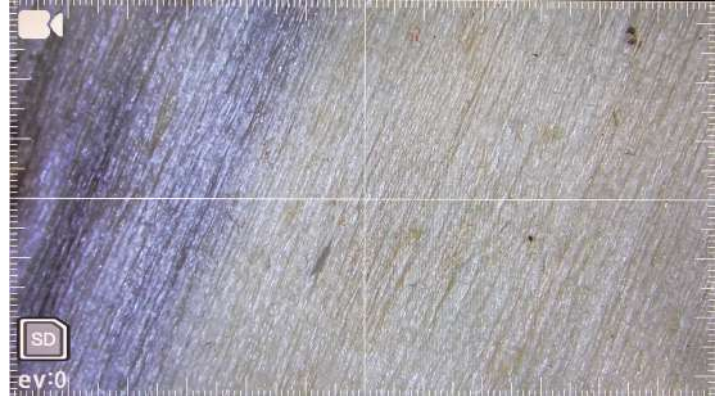


Display micro image more conveniently by HDMI to connect the display screen; plug and play, lossless signal transmission; through an external display screen, multiple people can simultaneously view microscopic images on a large screen for real-time communication and discussion in scenarios such as teaching, research team discussions, or quality inspection in industrial production.

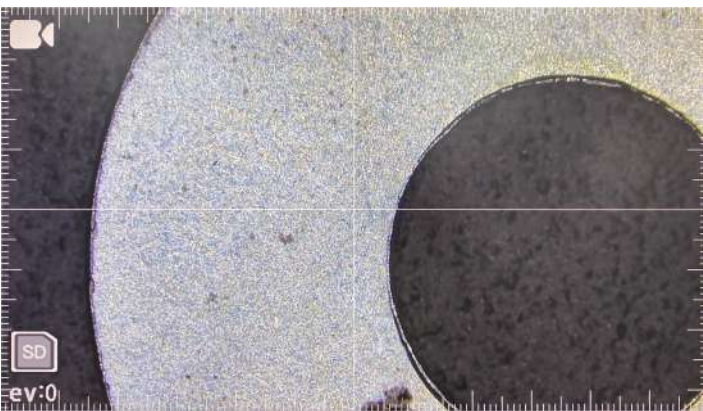
## Sample Inspection



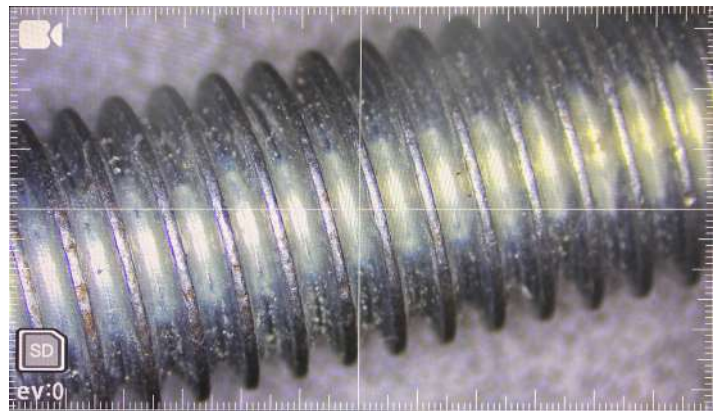
**Fabric**



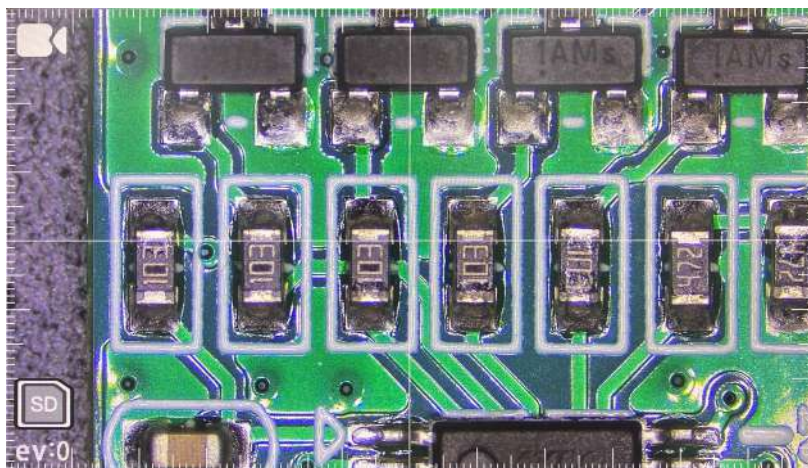
**Wooden board**



**Metal**



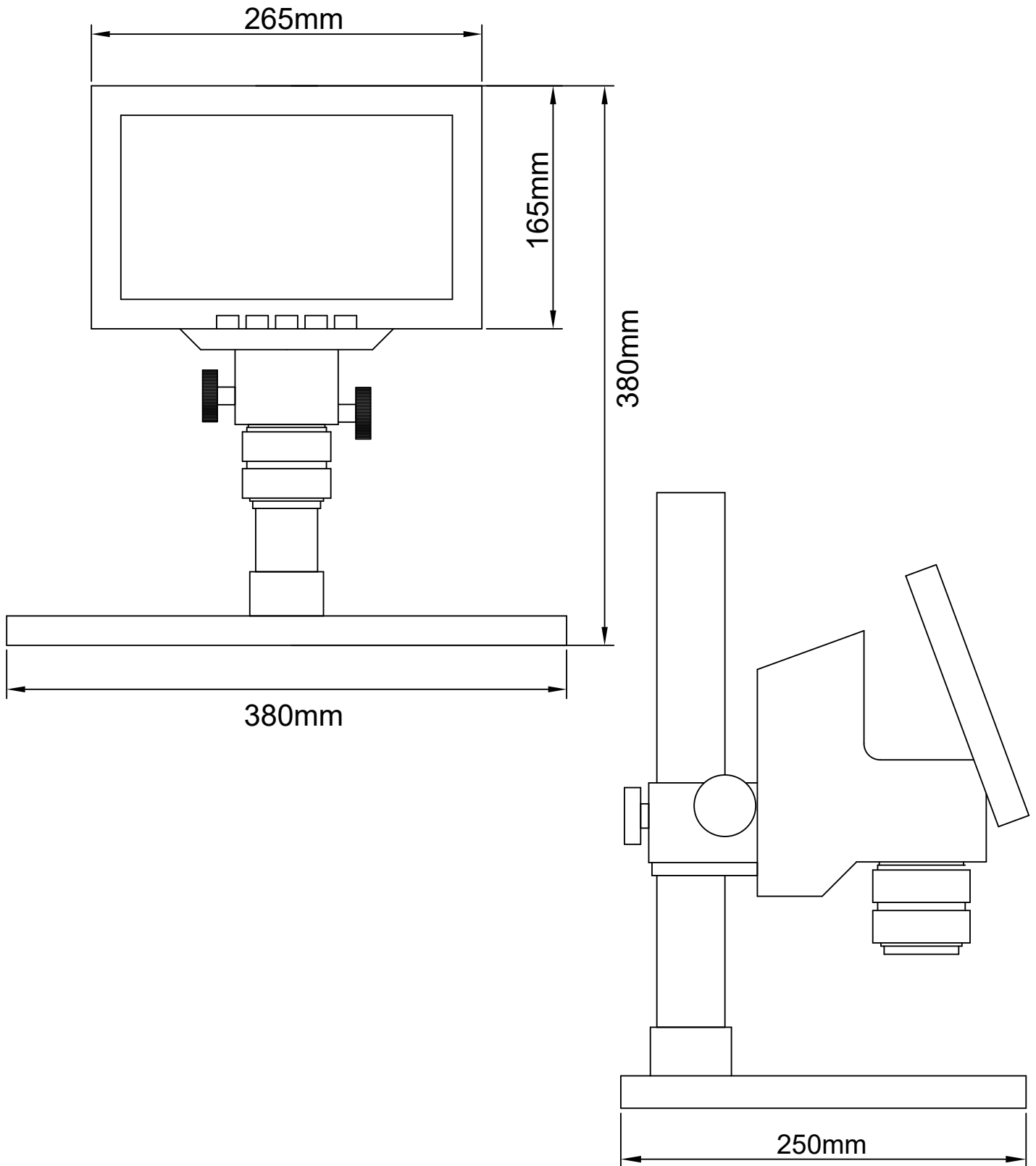
**Bolts**



**Circuit board**










## Instrument Dimension



# Specification

Lcd Screen	Size	10.6 inch IPS
	Resolution	1366*768
Digital Parameters	Wide Dynamic Range	Achieve
	Pixel	1200w
	Video resolution/frame rate	1080p/60fps
	Video output format	HDMI
	Function	Automatic exposure, exposure offset, automatic white balance, photography, recording,storage
	Storage method	SD card (maximum memory 32GB)
	Measurement function	Support
	External devices available	Projector, monitor
Optics Parameters	Eyepiece lens	0.5X
	Objective lens kind	Continuous zoom lens
	Objective lens zoom magnification	0.7X~4.5X
	Magnification	44.5X
	Total magnification	15.5X~100X
Platform Parameters	Lighting method	Upper illumination, side illumination, LED continuous adjustable illumination
	Focusing range	42mm
	Working distance	88mm
	Column	Round pillar
	Bracket size	380mm*260mm*20mm
Power supply method		DC12V

## Standard Delivery

Item	Qty	
Mainframe Head	1	
Column	1	
Basement	1	
Fixed Knob	1	
Spare Illumination	1	
Inner Hexagon Spanner	1	
Power Adapter	1	
Power Line	1	



## Optional Delivery

Item	Qty
HDMI line	1 pc

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