

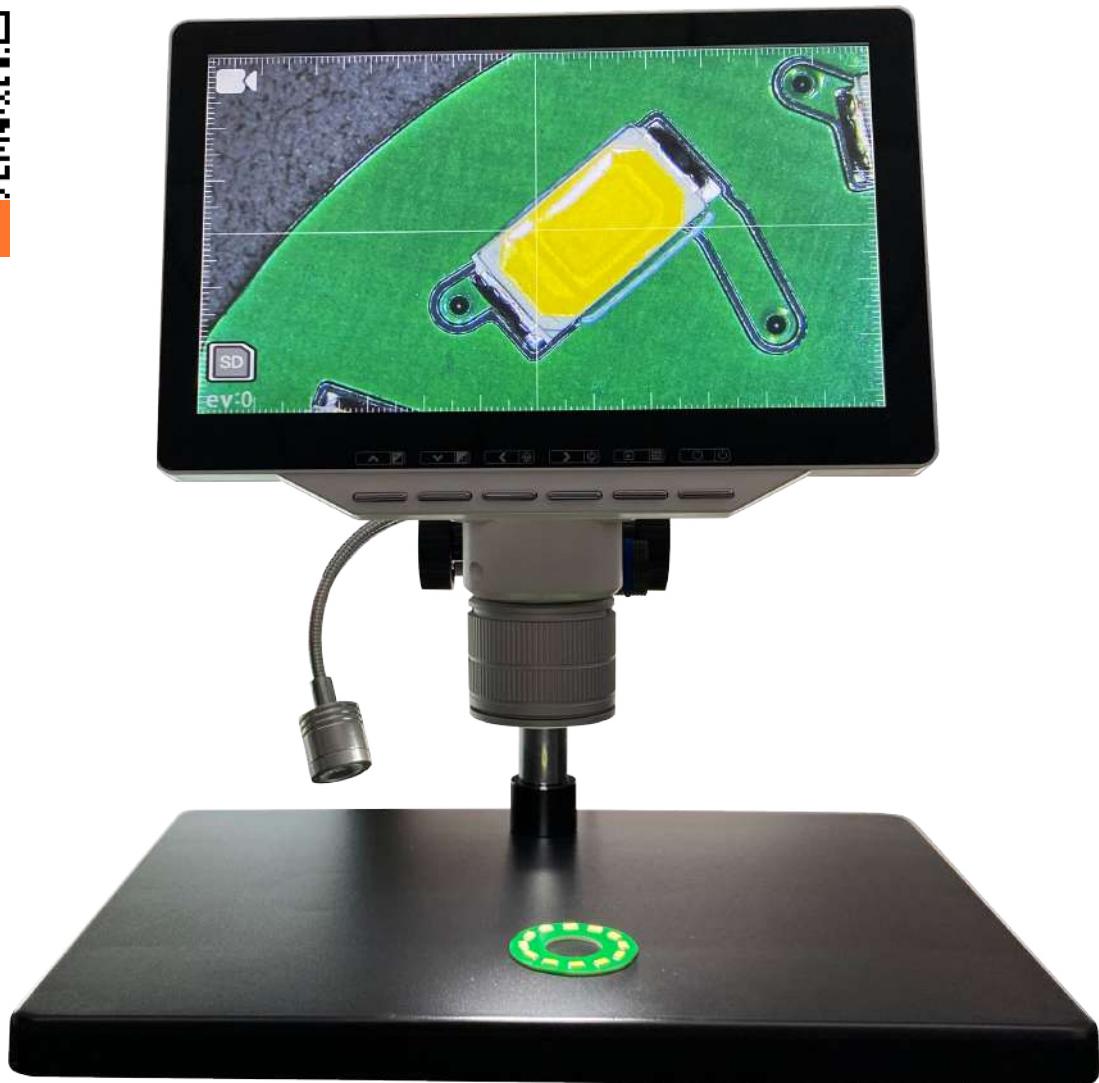


# iVideo-106

## Digital Video Microscope



Video



### Contact us

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# Product Features and Application

This digital microscope has 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)



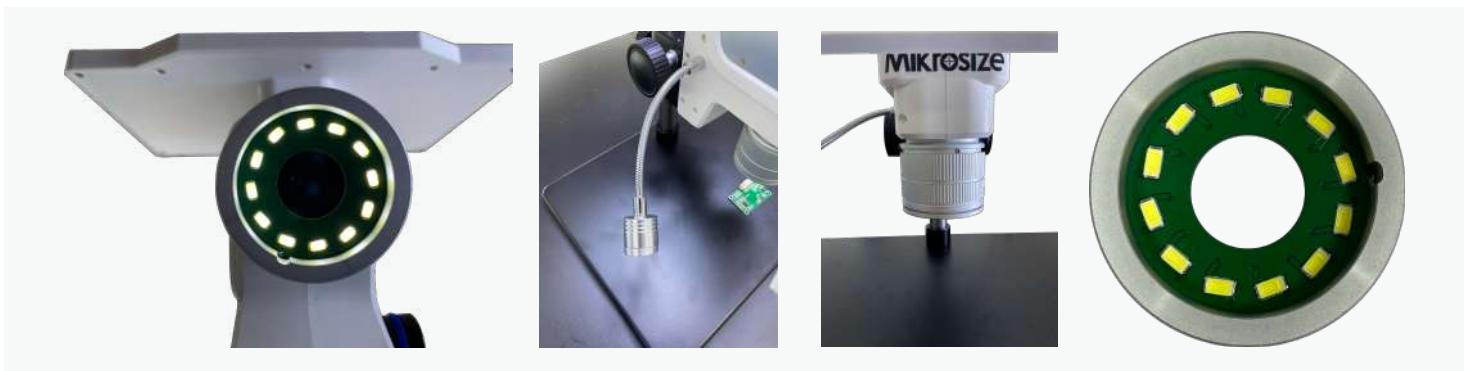
## Product Application

- 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**

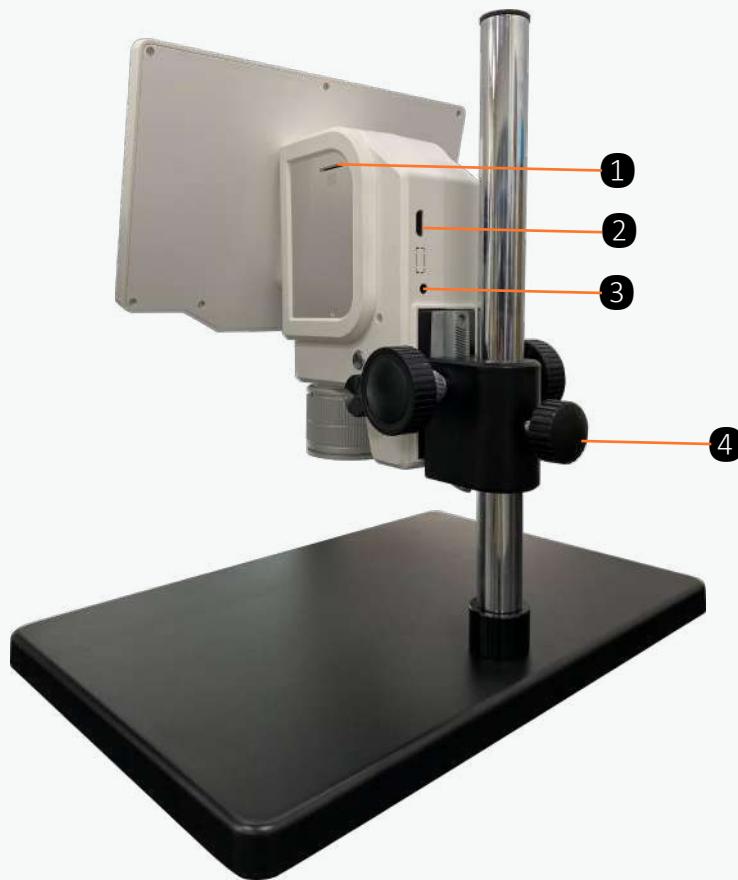
**5. Round column**

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

**4. Side Illumination**

**6. Basement**

# Product Structure



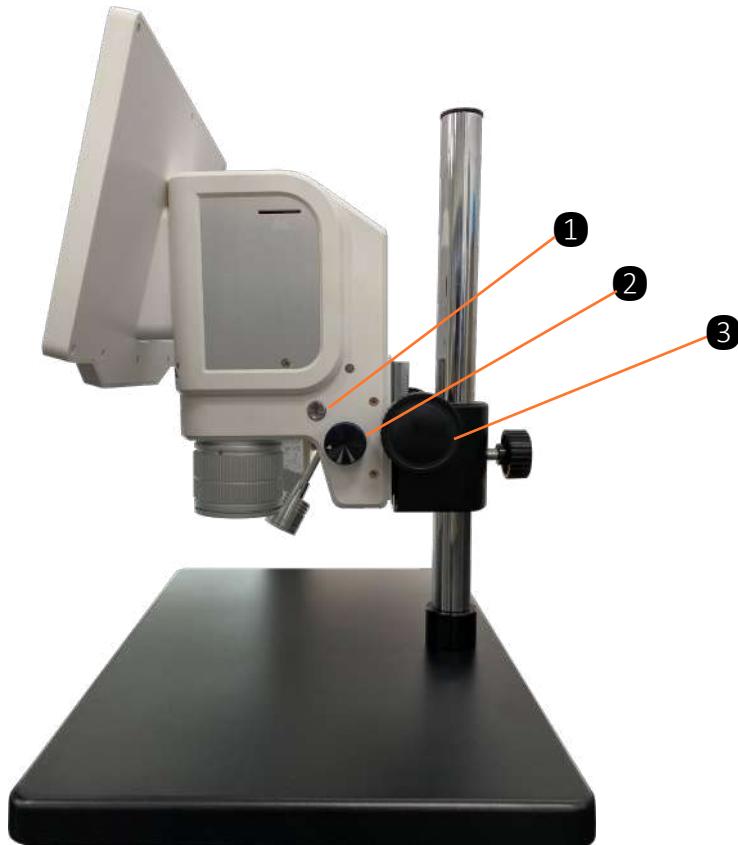
**1.SD card slot**

**2.HDMI interface**

**3.Power interface**

**4.Fixed knob**

## Product Structure



**1.Illumination switch button**

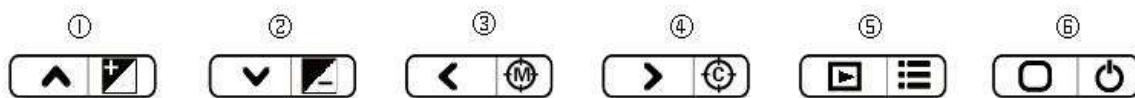
**2.Light brightness adjustment knob**

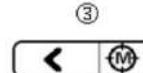
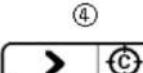
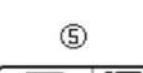
**3.Focal knob: through this knob, you can adjust the image clarity**

# Key Function



## Display key function description (display from left to right)



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

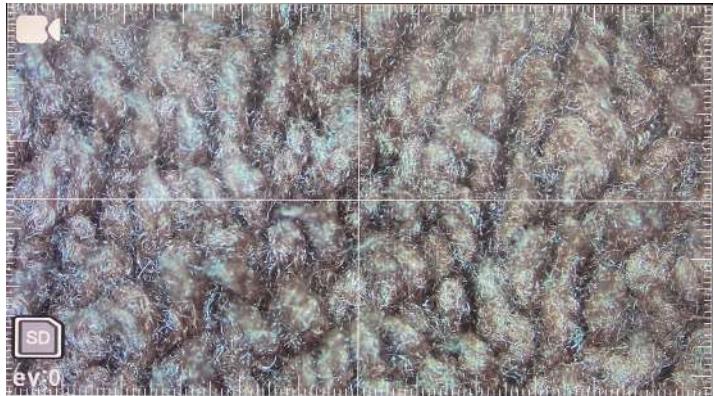


## Microscope Function



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.

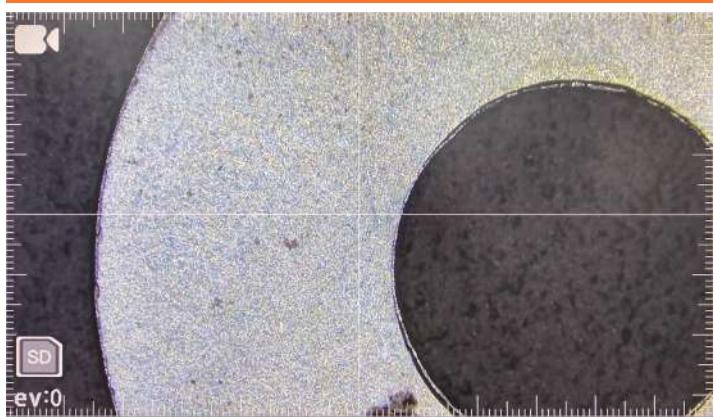
## Sample Inspection



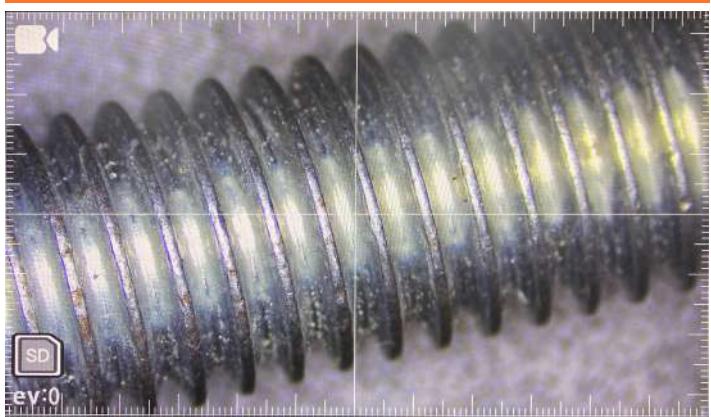
**Fabric**



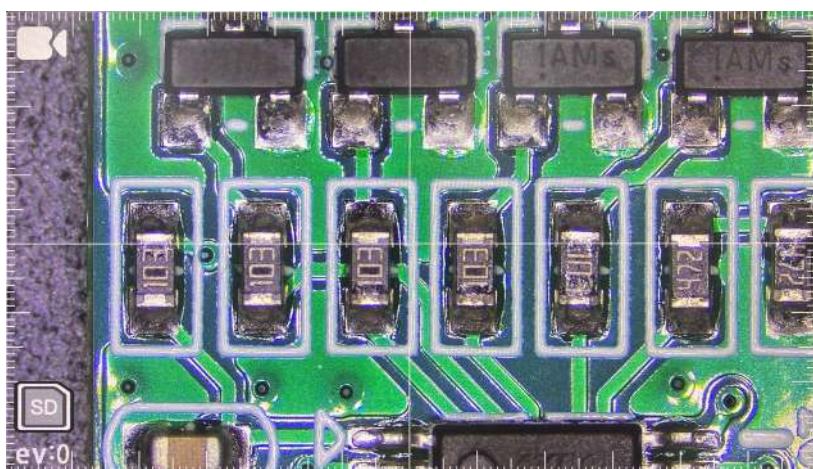
**Wooden board**



**Metal**

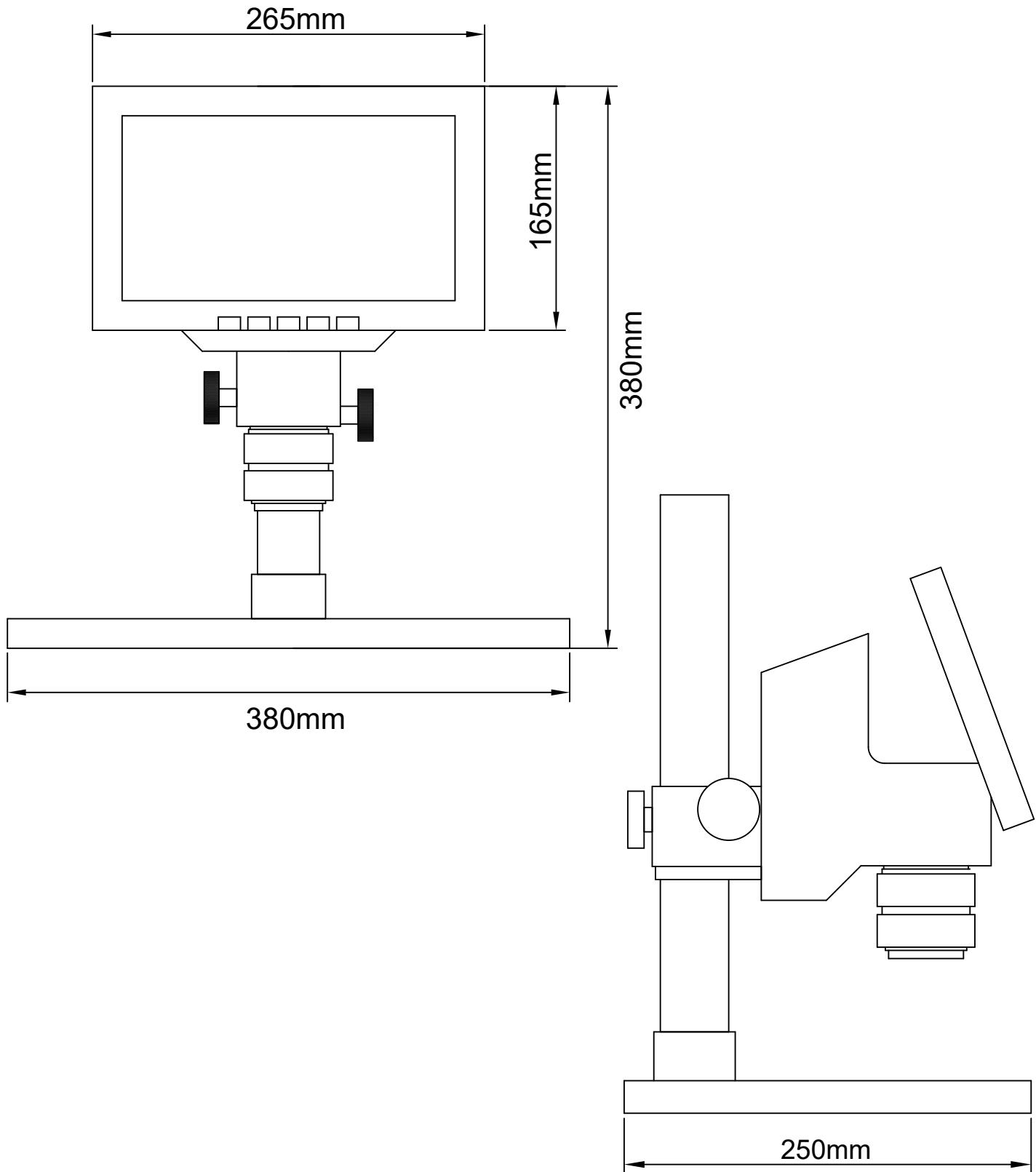


**Bolts**



**Circuit board**

# Instrument Dimension



# Specification

<b>Lcd Screen</b>	Size	10.6 inch IPS
	Resolution	1366*768
	Wide Dynamic Range	Achieve
	Pixel	1200w
	Video resolution/frame rate	1080p/60fps
<b>Digital Parameters</b>	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
<b>Optics Parameters</b>	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
<b>Platform Parameters</b>	Lighting method	Upper illumination, side illumination, LED continuous adjustable illumination
	Focusing range	42mm
	Working distance	88mm
	Column	Round pillar
<b>Power supply method</b>	Bracket size	380mm*260mm*20mm
		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