

High-definition stereo microscope

INTRODUCE



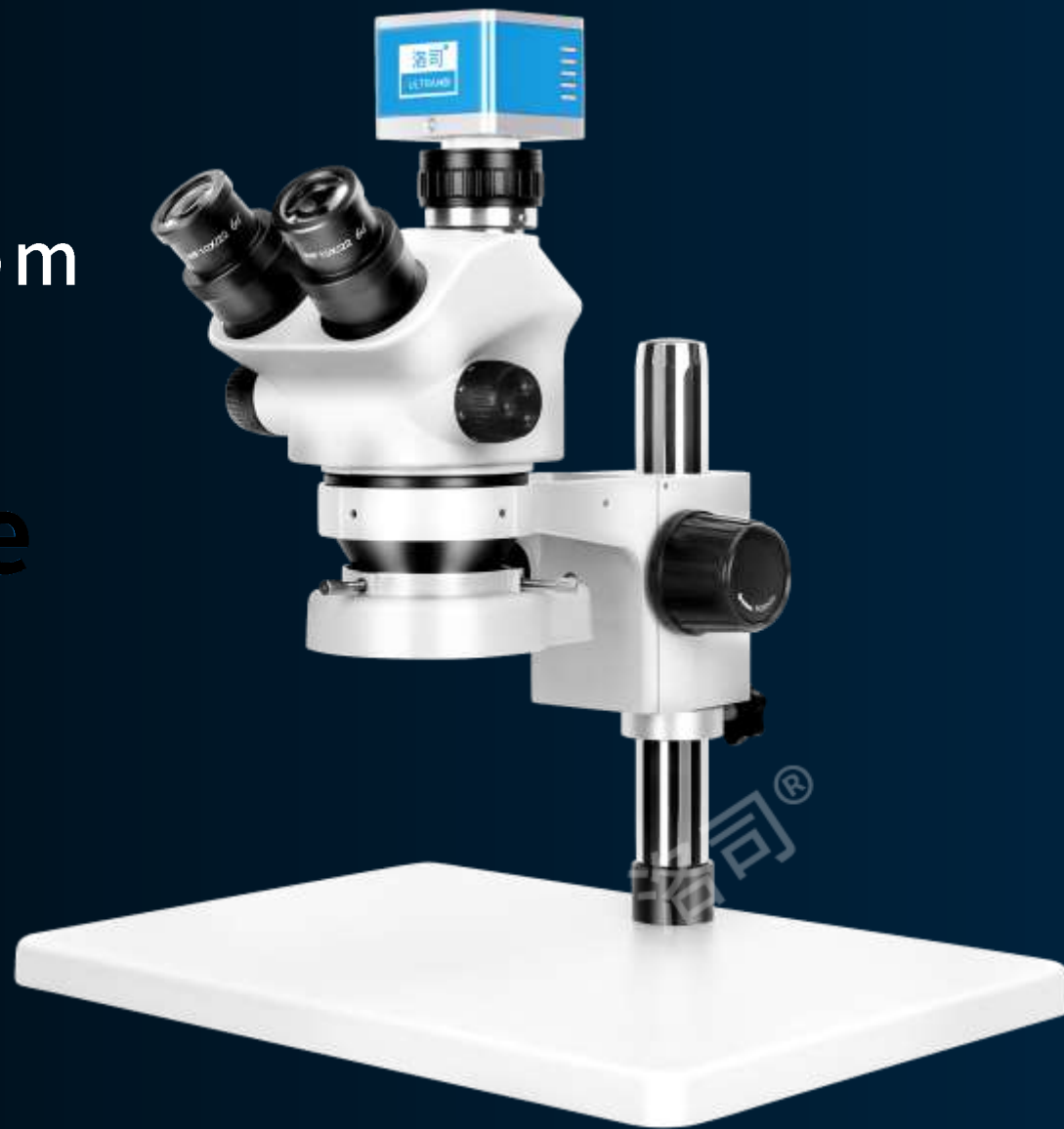
01

Product Overview

3.5X-100X continuous zoom

High-definition stereo microscope

The compact and sleek design of the continuous zoom stereo microscope ensures excellent stability, while its optical performance meets the requirements of industrial in-line inspection and biological education and experimentation for modern electronic devices, semiconductors, lasers, LEDs, LCDs, and more.



Flagship-level configuration highlights



Lens coating
upgrade



Stereo vision
observation



Adjustable
interpupillary distance



High-definition
imaging



Reduce
fatigue



High-brightness
LED light

洛司®



LUO SI OPTICS 洛司光学
Focused on optical products

Greenov Optical Imaging System

Easy to operate and
widely applicable



PCB Repair



Textile industry



Watch Repair



Biological
Anatomy



Micro-carving
technique



Gemstone
Appraisal



02

Product Feature Introduction

Continuous Zoom Stereo Microscope Series

The company offers a complete optical system, reliable operating mechanisms, comprehensive product accessories, and diverse configuration options to meet the varied needs of modern biology, medical education, scientific research, and industrial inspection.



This continuous zoom model is available in both binocular and trinocular versions.



Dual-eye continuous large
base plate base



Triple-eye continuous large
base plate base

Wide-angle eyepiece 10x high eye point

Featuring FMC anti-reflective coating for high transmittance and high refractive index, delivering bright, clear imaging with a 22mm large field of view.





Optical Magnification: 0.7-5X

Focus ring adjustment display

Continuous zoom

Smooth and rapid zooming with high clarity, meeting observation requirements

Binocular diopter adjustable

The SZM continuous zoom stereo microscope features a high eye point and wide-angle view, with both eyepieces offering diopter adjustment for comfortable observation even without glasses. The 45° inclined binocular head is ergonomically designed to provide a more comfortable viewing posture.



Observing becomes
easier and more natural

Adjustable interpupillary distance

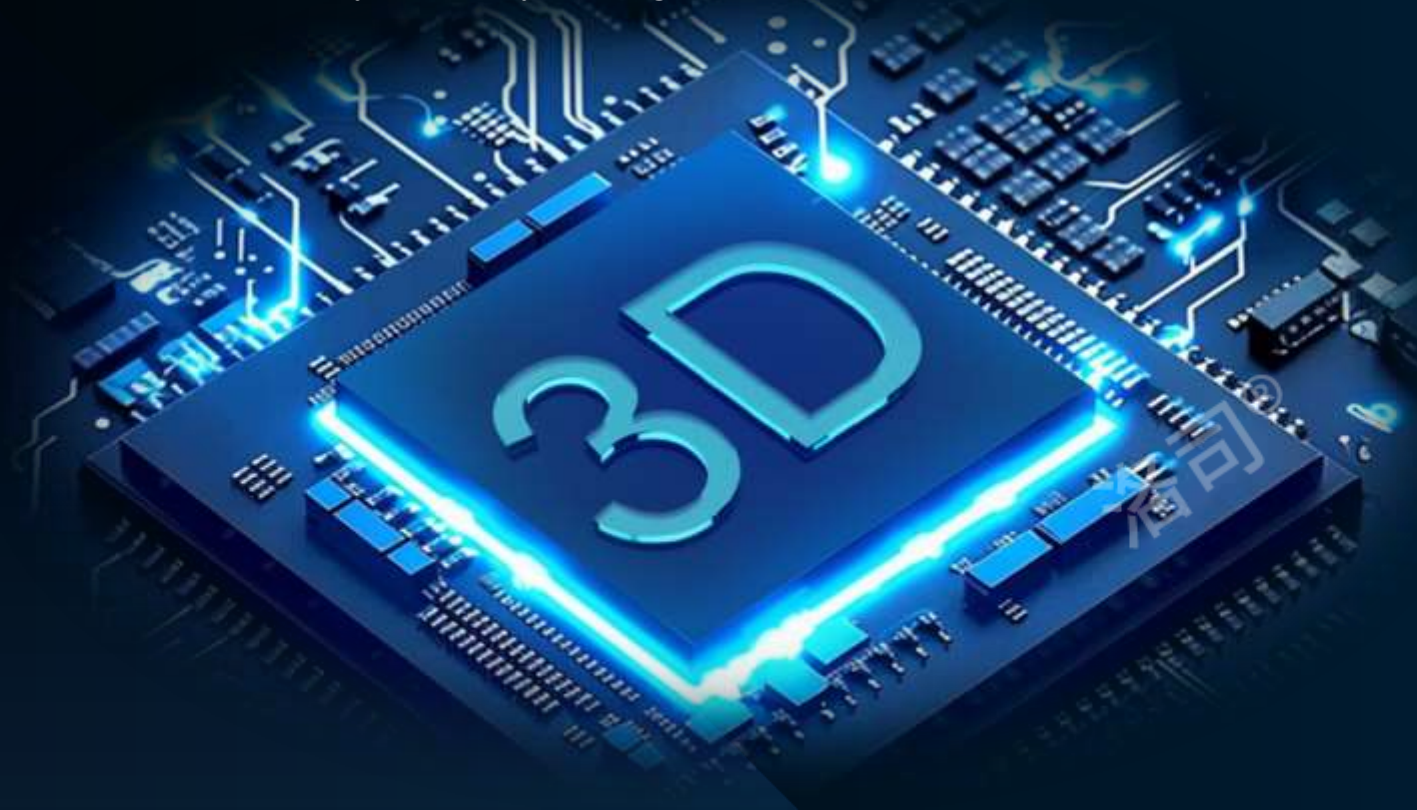
Provides a more comfortable viewing experience.
Easily adjustable for any interpupillary distance.
Reduces eye strain during prolonged microscope use
with precise adjustment mechanisms. Quickly find
your optimal interpupillary distance and improve work
efficiency.



Stereo images for both eyes

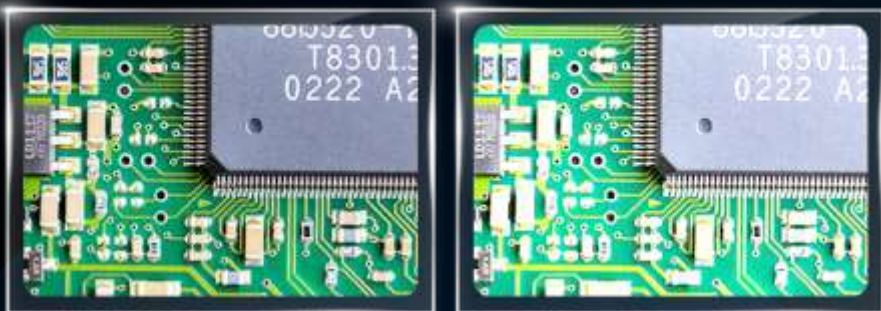
A new naked-eye 3D experience

In a stereo microscope, the two light beams in the binocular eyepiece tubes are not parallel but instead form a certain angle, providing each eye with a three-dimensional image. Essentially, it consists of two monocular microscopes placed side by side, with their optical axes arranged to simulate the viewing angles of human eyes when observing an object with both eyes, thereby creating a three-dimensional visual perception.



Highlighting ring LED light

Featuring a diffused acrylic lampshade that provides balanced illumination in dark areas without creating noise, along with stepless brightness adjustment, suitable for a wider range of tasks.

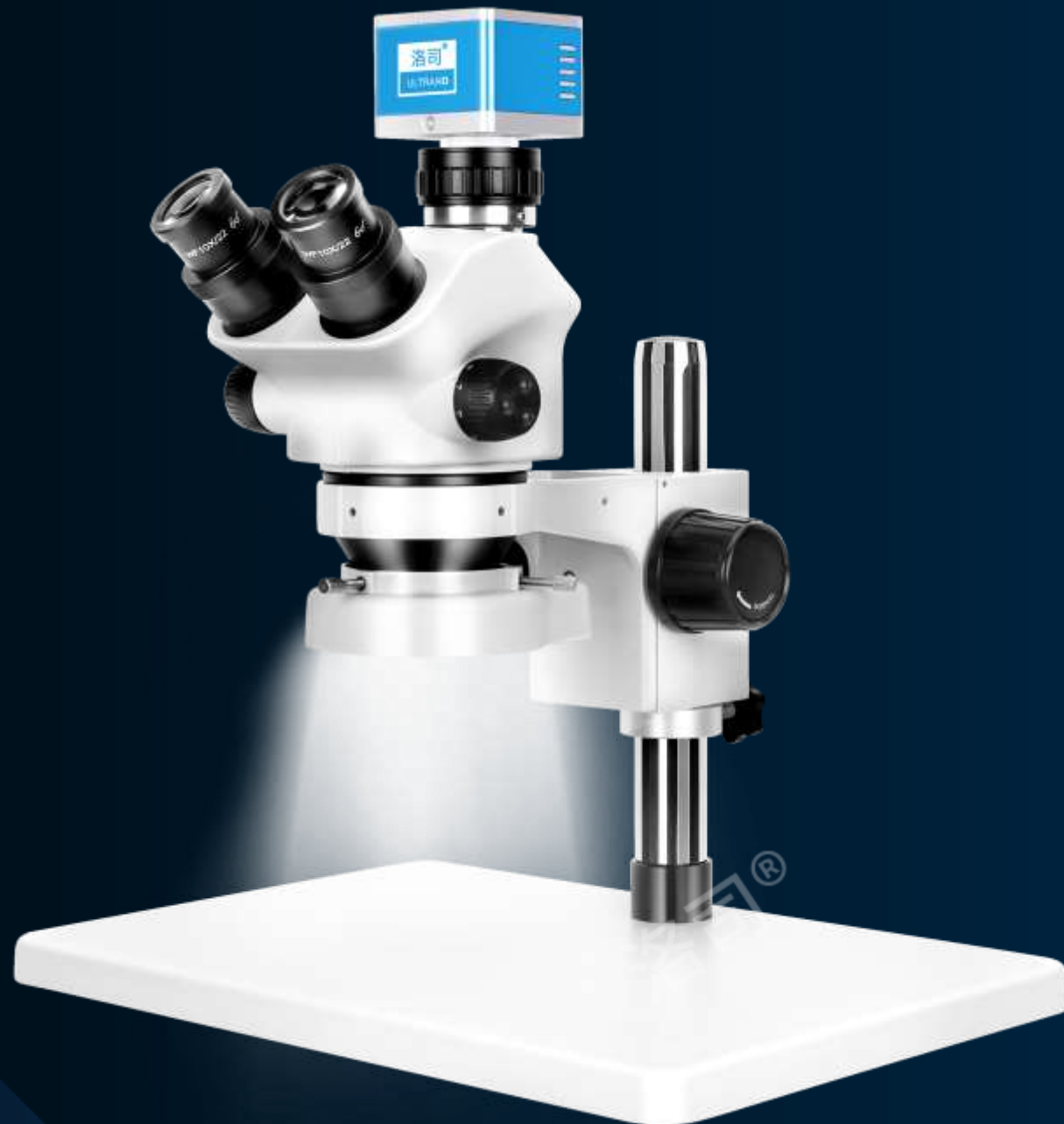


✓ Ring LED light source

LED high-brightness soft light, eye-friendly
Clear, bright viewing with no noise

✗ Traditional supplemental lighting

The observation is glaring, causing eye fatigue with prolonged viewing.
The image is overexposed, resulting in excessive noise.



Increase the distance to the observed object

With a 0.5X auxiliary lens, the working distance reaches 180 mm, reducing limitations caused by specimen size and providing ample space for various applications and working environments.



Install 0.5X
auxiliary mirror



No 0.5X auxiliary
mirror installed

Optional repair pad Screwdriver tools neatly organized

Optional repair pad with freely removable multi-tool slot design
Repair tools are neatly arranged and organized.



Before installation



After installation



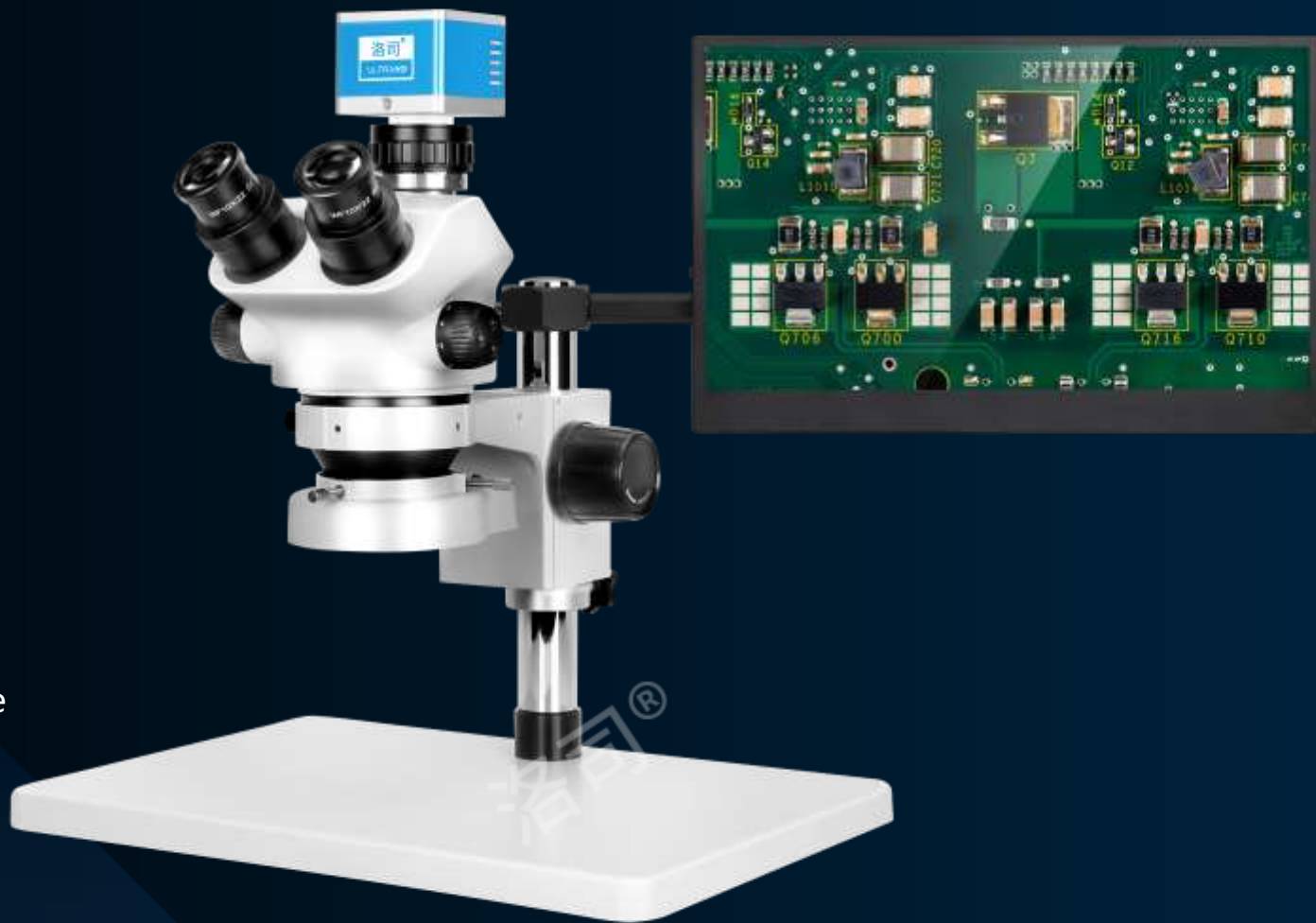
03

Display optional

Zoom in for
clearer
details

13.3-inch
screen

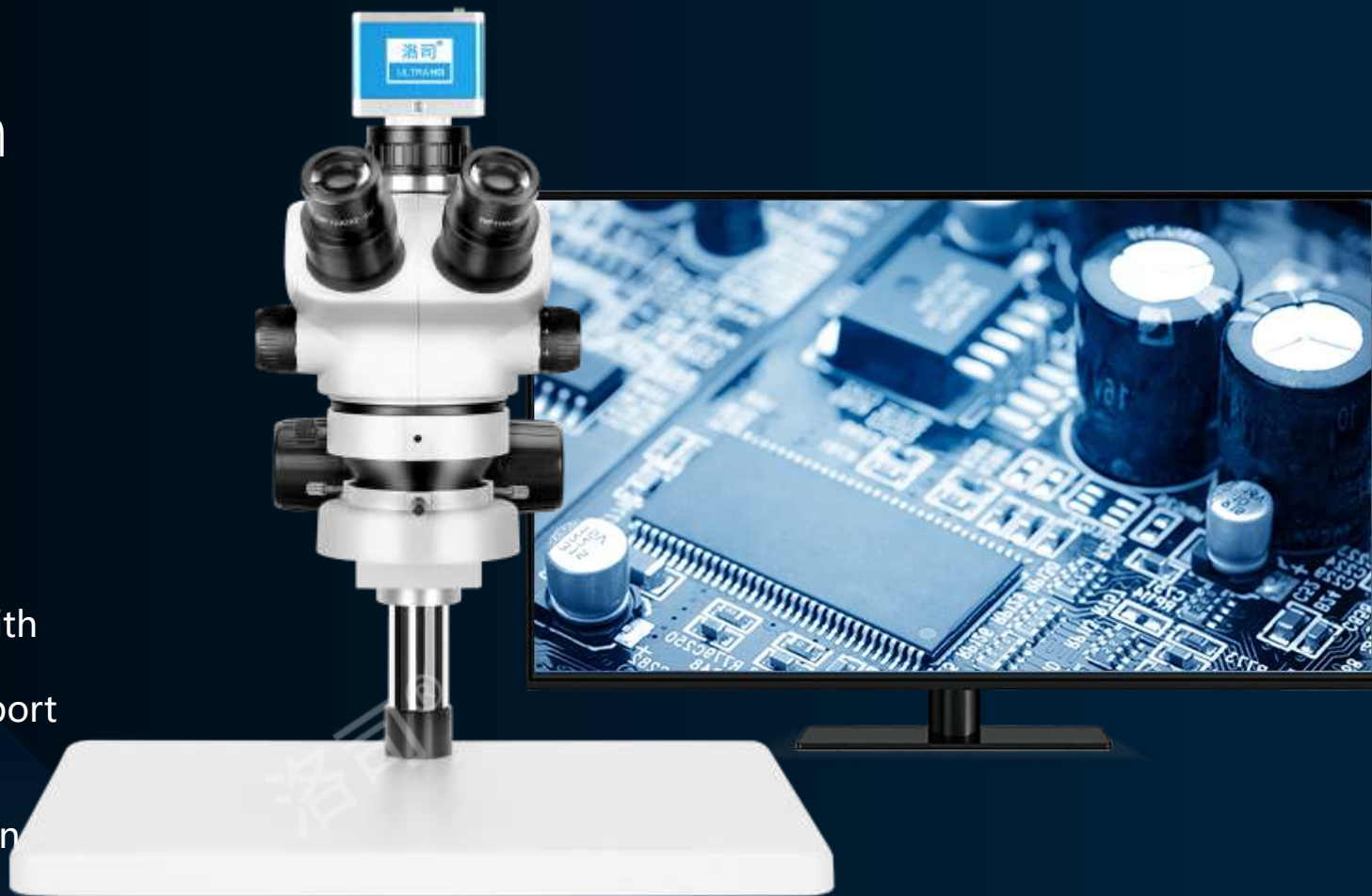
High-definition screens provide a more comfortable viewing experience, reducing eye strain and vision impairment caused by prolonged screen use.



High-definition
image quality with
no distortion

22-inch LED
HD screen

High-definition 1080P custom monitor with
professional color calibration
High-fidelity color reproduction and support
for multiple aspect ratios, ensuring no
distortion
Ideal for production line quality inspection



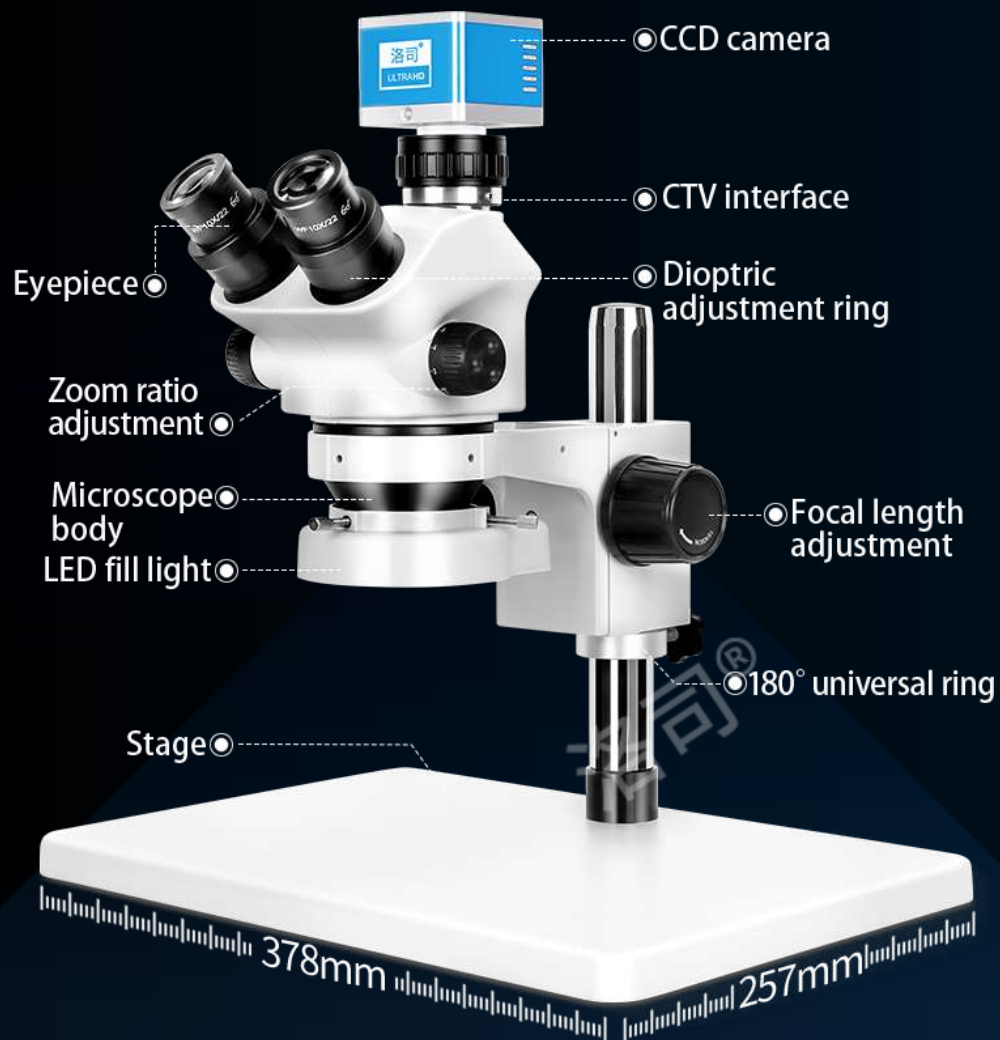
04

Product Specifications

Camera Parameter Performance Demonstration

Camera appearance			
Style Name	U-shaped camera	M-shaped camera	D-shaped camera
Sensor	1/2.5CMOS	1/2.8CMOS Sony	1/2.8CMOS Sony
Photo resolution	/	10368*5832	10368*5832
Video resolution	/	2K	4K
Real-time resolution	2592*1994/30HZ	1920*1080/60HZ	2560*1440/60HZ
Pixel	500W	6000W	6000W
Display interface	/	HDMI	HDMI
Connect to computer	Support	Support	Support
Take a photo	/	Support	Support
Record video	/	Support	Support
Storage method	/	USB flash drive	USB flash drive

Complete Machine Specifications



Observe the head	45° tilt, 360° rotation, interpupillary distance 50-75mm; bilateral diopter adjustment $\pm 5D$
	Push-pull binocular/trinocular
Optional eyepieces	Standard with WF10X/22mm, optional WF20X/10mm
Magnification	Standard 7X-50X, optional eyepieces and auxiliary objectives available, extendable to 3.5X-100X with continuous zoom
Objective lens	0.7X to 5X continuous zoom, with an objective magnification ratio of 1:7.14, ensuring consistent focus across the image plane
Auxiliary objective lens	Standard not included; optional 0.5X available, with 0.3X, 0.7X, 1X, 1.5X, and 2X available for separate purchase
Working distance	100mm/180mm (optional)
Focusing bracket	Inner diameter 76 mm, column hole diameter 32 mm
Base	Large base (dimensions: 378 x 257 x 20 mm)
Lighting	Standard LED ring light with adjustable brightness. Operating power: 12V-1A



05

Product Package Configuration

7-50x Binocular Microscope

Working distance
100 mm



WF10x Eyepiece



WF20x Eyepiece



Eye mask



Ultra-thin ring light



0.5X auxiliary
objective lens



Dust-proof goggles



Repair Pad



Dust cover



Mobile viewer



Universal
Limiting Ring



Cleaning Kit



Air blow/brush



3.5-50x Binocular Microscope

Working distance
180 mm



WF10x Eyepiece



WF20x Eyepiece



Eye mask



Ultra-thin ring light



0.5X auxiliary
objective lens



Dust-proof goggles



Repair Pad



Dust cover



Mobile viewer



Universal
Limiting Ring



Cleaning Kit



Air blow/brush



3.5-100x Binocular Microscope

Working distance
180 mm



WF10x Eyepiece



WF20x Eyepiece



Eye mask



Ultra-thin ring light



0.5X auxiliary
objective lens



Dust-proof goggles



Repair Pad



Dust cover



Mobile viewer



Universal
Limiting Ring



Cleaning Kit



Air blow/brush



7-50x Microscope - Without Camera

Working distance
100 mm

NO

13.3-inch display

M Camera 2K@6000万

NO

Can connect to
monitor/computer



WF10x Eyepiece



WF20x Eyepiece



Eye mask



CTV-0.35X
Synchronizer



0.5X auxiliary
objective lens



Dust-proof goggles



10-watt ring light



Universal
Limiting Ring



Repair Pad



Mobile viewer



Cleaning Kit



Dust cover



3.5-100x Microscope - Without Camera

Working distance
180 mm

NO

13.3-inch display

M Camera 2K@6000万

NO

Can connect to
monitor/computer



WF10x Eyepiece



WF20x Eyepiece



Eye mask



CTV-0.35X
Synchronizer



0.5X auxiliary
objective lens



Dust-proof goggles



10-watt ring light



Universal
Limiting Ring



Repair Pad



Mobile viewer



Cleaning Kit



Dust cover



3.5-100x microscope + U-model camera

Working distance
180 mm

U Camera 2.5K@30HZ



Can connect to
computer



WF10x Eyepiece



WF20x Eyepiece



Eye mask



CTV-0.35X
Synchronizer



0.5X auxiliary
objective lens



Dust-proof goggles



10-watt ring light



Universal
Limiting Ring



Repair Pad



Mobile viewer



Cleaning Kit



Dust cover



3.5-100x microscope + M-model camera

Working distance
180 mm

NO

13.3-inch display

M Camera 2K@6000万



Can connect to
monitor/computer



WF10x Eyepiece



WF20x Eyepiece



Eye mask



CTV-0.35X
Synchronizer



0.5X auxiliary
objective lens



Dust-proof goggles



10-watt ring light



Universal
Limiting Ring



Repair Pad



Mobile viewer



Cleaning Kit



Dust cover



3.5-100x microscope + M-model camera + 13.3-inch screen

Working distance
180 mm



13.3-inch display

M Camera 2K@6000万



Can connect to
monitor/computer



WF10x Eyepiece



WF20x Eyepiece



Eye mask



CTV-0.35X
Synchronizer



0.5X auxiliary
objective lens



Dust-proof goggles



10-watt ring light



Universal
Limiting Ring



Repair Pad



Mobile viewer



Cleaning Kit



Dust cover



3.5-100x microscope + M-model camera + 22-inch screen

Working distance
180 mm



22-inch high- definition screen

M Camera 2K@6000万



Can connect to
monitor/computer



WF10x Eyepiece



WF20x Eyepiece



Eye mask



CTV-0.35X
Synchronizer



0.5X auxiliary
objective lens



Dust-proof goggles



10-watt ring light



Universal
Limiting Ring



Repair Pad



Mobile viewer



Cleaning Kit



Dust cover



3.5-100x microscope + D-model camera

Working distance
180 mm

NO

13.3-inch display

D Camera 4K@6000万



Can connect to
monitor/computer



WF10x Eyepiece



WF20x Eyepiece



Eye mask



CTV-0.35X
Synchronizer



0.5X auxiliary
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Dust-proof goggles



10-watt ring light



Universal
Limiting Ring



Repair Pad



Mobile viewer



Cleaning Kit



Dust cover



3.5-100x microscope + D-model camera + 13.3-inch screen

Working distance
180 mm



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3.5-100x microscope + D-model camera + 22-inch screen

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22-inch high- definition screen

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Dust-proof goggles



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Universal
Limiting Ring



Repair Pad



Mobile viewer



Cleaning Kit



Dust cover



3.5-100x microscope + D-model camera + 24-inch screen

Working distance
180 mm



24-inch high- definition screen

D Camera 4K@6000万



Can connect to
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WF10x Eyepiece



WF20x Eyepiece



Eye mask



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Synchronizer



0.5X auxiliary
objective lens



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10-watt ring light



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Mobile viewer



Cleaning Kit



Dust cover





Thank you for watching

