

ZZX-2108TW Series Biological Microscope



I. Overview:

The overall structure is designed to be compact yet rigid. The through-type side wings on both sides of the frame not only serve as decorative elements but also give the entire instrument a dynamic appearance. The side wings are adorned with vibrant blue decorative pieces (other colors are optional), adding to the rich color scheme. The curved arm features a hollow design, reducing weight while conforming to ergonomic principles, allowing for easy one-handed handling. To accommodate varying interpupillary distances and vision of different users, the binocular eyepiece tube distance is adjustable (50mm-75mm), and one of the eyepiece tubes is equipped with a diopter adjustment ring. Coaxial coarse and fine focus knobs are symmetrically mounted on both sides of the body, allowing for convenient focusing with either hand. The coarse focus knob tension is adjustable, and the fine focus knob has a precision of 0.002mm. A mechanical upper limit stop structure ensures that the specimen and objective lens do not come into contact. The ZZX-2108W series biological microscope is designed to meet the needs of modern biological teaching, basic medical applications, and various research fields.

II. Technical Specifications:

I. Technical Specifications:

Optical system	Infinity-corrected achromatic optical system
observation tube	30 ° inclined, hinged trinocular observation head, interpupillary distance adjustment: 50mm-75mm, single-sided diopter adjustment, fixed beam splitter R:T:80:20
eyepiece	Eyepieces: WF10X/18mm (standard), WF16X/15mm (optional)
objective lens	Infinity-corrected achromatic objective lenses (4X, 10X, 40X, 100X)
Converter	Internal positioning four-hole adapter
Focusing mechanism	Low-profile design with coarse and fine coaxial adjustment; coarse adjustment range of 25mm, fine adjustment accuracy of 0.002mm; features an anti-slip tension adjustment mechanism and a mechanical upper limit stop.
stage (of a microscope)	155mm x 142mm double-layer composite mechanical moving platform, movement range: 76mm x 50mm; accuracy: 0.1mm
condensing lens	Abbe condenser, numerical aperture N.A. 1.25, with variable aperture diaphragm.
lighting system	3W LED lighting, centrally controlled, with continuously adjustable brightness; external wide-voltage adapter, input 100V-240V AC 50/60Hz, output DC 12V 2A.
Other accessories	Camera eyepiece: 0.5X (standard), 0.35X, 1X (optional)

ZZSD-F650-41XC Ultra-High Definition 2D/3D Measuring Microscope

I. Product Introduction:

This product is a 360-degree rotating 2D/3D microscope, offering 360° omnidirectional 3D observation and seamless switching between 2D and 3D viewing. The working distance remains constant during switching. It features a large depth of field, high resolution, and no black edges at low magnification. With built-in software, it operates without a computer and provides 1080P high-definition output, allowing image saving to a USB drive. It is widely used in microelectronics, precision electronics, precision hardware, deep hole inspection, life sciences, plant and animal morphology, forensic identification, and other industries.

II. Technical Specifications:

model	ZZSD-F650-41XC	
lens	Optical magnification	0.6X-5.0X
	Camera eyepiece	0.5X (standard), optional (1X)
	Working distance	86mm
	Auxiliary objective lens	Optional accessories (0.5X, 2X)
bracket	Lifting range	200mm
	Base column	Base: 330 x 300 x 20 mm, Column height: 340 mm, or custom-made.
2D/3D Rotation Viewer		Seamless manual switching between 2D and 3D modes, with the center point remaining unchanged during 2D/3D switching. The working distance also remains constant during 2D/3D switching, eliminating the need for refocusing. Features include 360° rotation and a 45° objective lens angle.
	Lens mount	Standard C/CS interface



	sensor	1/1.8" CMOS
	Resolution	3840*2160
	Output method	HDMI interface, USB nterface, RJ45 network interface
	Storage method	USB drive storage / Photography / Measurement
	Frame rate	60 frames/second
	Pixel size 1	1.85 μ m*1.85 μ m
	Measurement functions	Functions include point spacing, point-to-line distance, line spacing, angle, radian, parallel lines, circle, center distance, point-to-center distance, line-to-center distance, rectangle, polygon, etc.
	Total magnification	Approximately 30-200x magnification (adjustable, with a 22-inch monitor).
	Standard field of view range	2.5mm-22mm
	Standard configuration list	<ol style="list-style-type: none"> 1. One ZZR-4100XC Ultra-High Definition Smart Measuring Camera; 2. One 0.6-5.0X continuous zoom lens; 3. One set of metal base and adjustable stand; 4. One high-quality adjustable LED light source; 5. One 2D/3D rotating viewer; 6. One 32GB USB flash drive and optical mouse set; 7. One standard glass calibration ruler.
	Optional accessories	12-inch/22-inch/24-inch/27-inch and other high-definition monitors with HDMI interface.





AST-7045S-Trinocular Stereo Microscope



Product Parameter

Eyepiece 10X/20mm	Standard configuration; working distance 100mm		Auxiliary objective lens 0.5X, working distance 165mm		Auxiliary objective lens 2X, working distance 30mm	
	Standard configuration; working distance 100mm		Auxiliary objective lens 0.5X, working distance 165mm		Auxiliary objective lens 2X, working distance 30mm	
	Magnification: 7X 45X	Field of view: 28.6mm, 4.4mm	Magnification: 3.5X 22.5X	Field of view: 57.1mm, 8.9mm	Magnification: 14X 90X	Field of view:
Video Magnification	Magnification: 7X 45X	Field of view: 28.6mm, 4.4mm	Magnification: 3.5X 22.5X	Field of view: 57.1mm, 8.9mm	Magnification: 14X 90X	14.3mm
	Magnification: 7X 45X	Field of view: 28.6mm, 4.4mm	Magnification: 3.5X 22.5X	Field of view: 57.1mm, 8.9mm	Magnification: 14X 90X	2.2mm
	20-230x 10-155x 20-460x		20-230x 10-155x 20-460x		20-230x 10-155x 20-460x	
20X/10mm	14X	14.3mm	7X	28.6mm	28X	7.1mm
	90X	2.2mm	45X	4.4mm	180X	1.1mm
Magnification	Standard configuration: 7X-45X, expandable to 3.5X-90X with optional eyepieces and auxiliary objectives, continuous zoom.					
Eyepiece	Standard configuration: 10X/20mm, wide field of view, wide angle, high eyepoint, providing convenience for observers wearing glasses.					
Optional Eyepiece	10X/20mm, 20X/10mm					
Observation Head	45° tilt, 360° rotation, interpupillary distance 54-76mm; bilateral diopter adjustment (±5)					
	Hinged binoculars					
Objective Lens	0.7X-4.5X continuous zoom, objective zoom ratio 6.4:1, ensuring image plane parfocality					
Auxiliary Objective Lens	Optional 0.5X, 2X					
Focusing Bracket	A1 focusing bracket with adjustable handwheel tension, 50mm lifting range					
Base	B1 column-type small flat base, other bases are optional, see base component diagram below					

Illumination	LED ring light
Image Acquisition Module (Optional)	<ol style="list-style-type: none"> 1. Image Acquisition Module: HDMI high-definition CCD, dynamic real-time preview, 60 frames per second, ultra-high speed with no ghosting, high-definition detail presentation; 2. Resolution: 2K/4K ultra-high-definition imaging 3. Image Storage Module: Real-time image display, capable of measurement, photography, video recording, USB flash drive storage and analysis, mouse operation; 4. Image Adjustment Functions: Image freeze, automatic edge finding, strong reflection suppression, HDR3 level wide dynamic range adjustable, SE3 level edge contour enhancement function, one-click white balance, RGB color adjustment, built-in 32 sets of movable crosshairs; 5. Measurement Software Functions: Length measurement/circle diameter, circumference, area measurement/rectangle length, width, circumference, area measurement/polygon perimeter, area measurement/center distance measurement/arc radius, arc length measurement/straight line angle, interior angle measurement, etc. 6. Measurement accuracy can reach the micrometer level.

II. Configuration List

- 1. Two 10x eyepieces;**
- 2. One observation tube;**
- 3. One monitor;**
- 4. One microscope stand;**
- 5. One transmitted illumination system;**

6.One camera system;

7.Accessories:Instruction manual,certificate of conformity,data cable,power cord,dust cover,etc.(1 set)

AST-AO-HD 206

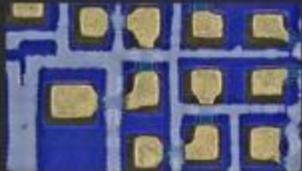
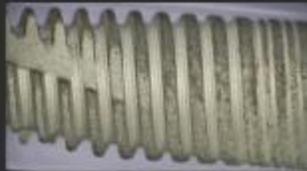
上下双光源 电子显微镜

- ☑ 一键拍/录像
- ☑ 接屏/接电脑
- ☑ 检透明样本

**接屏
接电脑**

六大理由选择

奥斯微工业电子显微镜

 <p>USB 4K/HDMI双输出模式 接屏幕 电脑 投影仪</p>	 <p>高清画质检测 输出分辨率可达3840*2160</p>
 <p>无需电脑主机，直连屏 直接和屏幕连接即可成像，节约成本</p>	 <p>高工作距离检测 标配工作距离90-100mm</p>
 <p>高清画质拍照录制 4K分辨率接电脑拍照录像</p>	 <p>LED正白光源，护眼 LED正白5600K发光，还原样本原色</p>

Microscope parameters:

Model Number	AO-HD206
Total Magnification	20~200X consecutive multiplication
Main Objective Lens	0.7~4.5X consecutive multiplication
Eyepiece magnification	0.5X
Lifting range	270mm
Center distance	Standard center: 150mm, extendable to: 450mm
Focusing range	65mm
Column diameter	25mm
Bracket height	300mm

Light source	Top and bottom light sources
Base dimensions	195mm*250mm*60mm
Optional accessories	0.5/2X auxiliary objective lens; 0.35X/1X/2X eyepiece; upper and lower light supports; movable stage.

产品效果实物拍摄

60FPS/秒高清检测无拖尾拖影现象



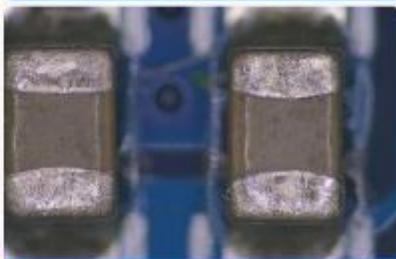
植物种子



螺纹钻头



动物标本



PCB元器件



Camera parameters:

Supported Functions	Photo capture, crosshair function, computer recording and measurement capabilities
Output Resolution	High-definition output 1920×1080P
Chip Size	1/1.8"
Output Colors	Color/Black and White
Output Frame Rate	60FPS/sec
External Interfaces	HDMI*1, USB*1
Power Interface	DC 5V/12V
Storage	USB flash drive
Photo Capture	2MP, JPG format

Recording	AVI format
Connection Method	High-definition display transmission, USB connection to computer
Computer Connection Function	① Image capture ② Image measurement ③ Image recording ④ Document export ⑤ Depth of field expansion ⑥ Image annotation ⑦ RGB adjustment ⑧ Black and white image

Microscope Functions:

HDMI High-Definition Lossless Compression Output: Directly connects to a monitor, eliminating the need for a computer host for high-definition image observation, saving space. Transmission speed is more than three times faster than traditional electron microscopes.

USB Connected to Computer for Measurement: A rich set of measurement components meets the needs of measuring various surfaces of products. Sixteen measurement tools (corner/point/line segment/parallel/perpendicular line/rectangle/ellipse/ring/double circle/arc polygon) support secondary image measurement after the initial measurement.

High-Definition Image Real-Time Recording:

USB connected to a computer for high-definition video recording, used to record the process of workpieces under the lens from low to high magnification or for microscopic recording of live samples.

High-Definition Image Capture:

Supports saving JPEG image format. Users can take real-time photos of defective products for archiving by the quality inspection department. Display-side storage: USB flash drive; PC-side: direct storage to the computer.

Image Crosshair Reference Lines: Built-in eight horizontal and vertical crosshair reference lines, which users can recall in advance for product positioning and inspection, ideal for terminal and mold product inspection and positioning.

View captured photos. Captured photos are stored on a USB drive. Batch viewing is possible without needing to access the computer.

Applications: Widely used in microelectronics, machinery manufacturing, electronics repair, electronics factories, appearance inspection, and antique appraisal.

Microscope dimensions and structure:



AST-Digital Trinocular Compound Microscope

Instruction manual



TN208B Microscope

TN208B Microscope

The bioculoscope is an optical instrument that uses magnification and strong lighting to improve the visibility of microorganisms. It can be widely used in biological research, scientific experiment and teaching in colleges and universities.

This instrument is ergonomic design, use more simple and comfortable.

Before installing, operating and using the microscope, read this instruction manual, especially all safety instructions, and attach this instruction manual to the instrument.



Pay attention

•• Matters needing attention

This instrument can only be used indoors, and must be placed on a firm table for use.

The location of the microscope must be able to power off at any time, and the power cord must always be accessible.

•• Use environment

1, the instrument can only be used in a relatively dust-free indoor environment, but also to prevent the instrument from being affected by oil pollution, chemicals and excessive humidity.

2. If the instrument is used outdoors, sunscreen, dustproof and moisture-proof measures should be taken, and attention should be paid to the safety of electricity and away from combustible materials.

3. When the instrument is used in warm and humid climates, professional maintenance is needed for each component to prevent mold breeding.

- Non-designated use

1. If the instrument is used in violation of the instructions, it may affect the protection function of the instrument, and even cause personal injury and damage to the articles.

2, unless clearly stated, the instrument must not install any other plug-in or screw off any mechanical parts, otherwise affect its due function.

The equipment and accessories described in this manual have been tested for safety and potential hazards.

Product introduction



Basic structure diagram of microscope

Product specification

Optical system	Finite far-optical system
Observation head	Hinged binocular head, 30° tilt, pupil distance 50-75mm
Eyepiece	High point Flat field eyepiece WF10X/22mm
Converter	Introverted 4-hole objective converter
Objective lens	Limited distance 195 objective lens (4X,10X,40X,100X)
Condenser	Abbe Condenser NA1.25 with Aperture Diaphragm
Focusing System	Coaxial coarse fine-tuning focusing mechanism, fine tuning grid value 0.001mm, coarse adjustment stroke 37.7mm per turn, fine tuning stroke 0.1mm per turn, focusing range 24mm
Stage	Double-layer mechanical platform 215*148mm, travel 48*82mm
Illumination	lighting system, 3W/LED
Power	AC100-240V,50-60HZ
Display screen	<input type="checkbox"/> 7 inch display screen screen IPS 1024*600
	<input type="checkbox"/> 9 inch display screen IPS 1024*600
	<input type="checkbox"/> 10.1 inch display screen IPS 1024*600

Microscope assembly mode

■ Microscope observation head mounted

1. Unscrew the positioning screws at the top of the bracket.



2. Remove the dustproof cover of the observation head.



3. Align the observation head with the joint position of the microscope and slowly clamp it into the slot for inspection. Observe whether the head is flat, and then tighten the positioning bolt.



■ Microscope display mounting method

1. Loosen the positioning screw and take out the dust cover.



Microscope assembly mode

2. Slowly insert the display connecting ring into the card slot of the observation head, and then tighten the fixing screws.



3. Insert the power cable for the display (DC 5V2).



4. Insert the handheld microscope data cable (MICRO USB).
- Optional



▪ How to install the power cable of the microscope host



Note: After use, the power cord can be wrapped around the coil and fixed in the jack

Microscope assembly mode

Microscope eyepiece mounting method

5. There is a damping ring in the eyepiece barrel of the microscope, and there is some resistance when the eyepiece is inserted. The microscope must be held by hand during installation.



Use of microscope

1. Adjust the pupil distance of the ocular tube with both hands, and the image of the eyes should be overlapped after adjustment.



Eyepiece has diopter adjustment function, according to the left and right eye vision, self-adjustment.



Use of microscope

2. According to the testing needs of their own specimens, users can choose the converter to switch different multiples of the objective lens; 100X is an oil mirror. In order to ensure the observation effect of 100X, a drop of cedar oil should be dropped before use. After use, use a cleaning cloth stained with alcohol to wipe the lens clean.



3, switching between different objective lenses, to adjust the height of Abbe condenser, the higher the multiple of the objective lens, Abbe condenser downward.



4, adjust Abbe condenser light source center, through the left and right bolt adjustment.



5, adjust the size of Abbe condenser aperture.



Use of microscope

6. Adjust the size of the light source diaphragm.



7. The upper and lower two knobs are to control the loading platform before and after moving around, so as to achieve the specimen XY axis movement.



8. After the specimen is moved to an appropriate position, adjust the focusing knob until the image is clear.



9. Specimen clip. Press the clip with your hand and put in the sliced specimen. 2 pieces can be placed at the same time.

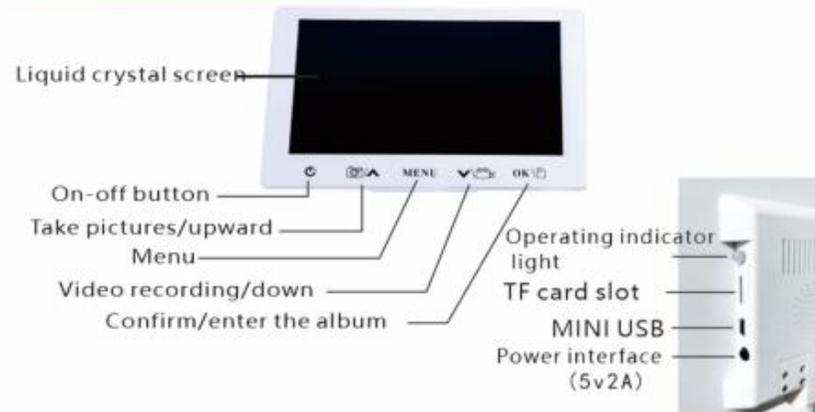


Use of microscope

- Hand-held microscope use
 1. Insert the handheld microscope data cable into the MICRO USB interface of the display screen, and then touch the display screen. The power button will switch the image to a handheld microscope lens.
 2. Hold the microscope at the object to be observed, and then rotate the focusing hand wheel with your fingers until you turn the picture. Until the image is clear.



Use of microscope



 Switch button: When the display is plugged into the power supply, the working indicator behind the display will light red. At this time, the thumb long press 2 seconds, the display will automatically turn on, you can use.

Use of microscope



Take Photo & Up button: When the display is in the startup image preview mode, tap the finger to take photo. According to the function, when the display is in menu setting mode, finger touch is rotated up and down. Turn up key function.

MENU

Menu setting: In the image preview mode, tap the button to set the function of the startup menu.



Video & Down button: In the real-time image preview mode of the display screen, tap the button to enter, etc. When recording, tap the button again to open the recording function and touch the button again. Stop recording; When the display is in menu setting mode, touch the key and the switch will be made. Lower function button for up and down selection.

OK



OK\Photo album: When the display is in image preview mode, long press for 2 seconds to enter the photo album mode. To select a photo or watch a playback of the video, press and hold again for 2 seconds to exit the album. Mode: When the display is in menu setting mode, this key is the confirm key.

USB connected computer

1. Download StrangeView image processing software and install it on your computer;
2. After connecting the computer with the USB data cable, the screen will appear the option box, which can be selected by the up and down keys. Access mode, and then press the OK key to confirm.
3. Select storage: the mobile disk will appear at the computer end (enter my computer, you can see it). Then open to read the image file in real time.
4. choose the camera: the computer must be installed in advance of the random genuine image processing software. After selecting the camera, open the software on the computer side to display the image and edit the image through the software.

* Precautions

The display contains an electronic lens. Remember to touch the glass of the electronic eyepiece when using it. Pay attention to dust prevention. Product working voltage DC 5V2A, try to use the original adapter (use non-standard adapter will have potential damage to the product).

AST-HS-YGL3201LED



parameter

Eyepiece	Wide field of view WF10X (Φ22mm)
Infinity-Plan Achromatic Objective	PL 4X/0.10
	PL 10X/0.25
	PLF L40X/0.85 (Spring) (No magnification, color difference)
	PL 100X/1.25 (Spring, Oil)
Eyepiece Tube	Trinocular, 30° tilt
Episode Fluorescent Illumination System	5W high-brightness monochrome LEDs, which can be combined in monochrome or dual-color configurations. The emission wavelengths of each monochrome LED are: green 475nm~550nm, emission wavelength 595nm; Blue wavelength: 410nm~490nm, emission wavelength: 515nm
	Fluorescent filter group: blue, green.

Focusing Mechanism	Coaxial focusing with coarse and fine movements; fine movement increment: 2μm; with locking and limiting devices.	
Revolver	Five-hole (inward-facing ball bearing internal positioning)	
Stage	Double-layer mechanical moving type (Dimensions: 210mm x 140mm, Moving range: 75mm x 50mm)	
Transmitted Illumination System	Abbe condenser lens NA.1.25, height adjustable.	
	Blue filter and frosted glass	
	The light collector is suitable for LED lighting (with built-in field aperture).	
	3W high-brightness white LED, adjustable brightness	
Optional Accessories	Eyepiece	10X reticle eyepiece (field number: Φ22mm)
	Objective lens	60X Infinity Plan Achromatic Objective
	Color filter	Green and yellow filters
	Fluorescent filter assembly	Ultraviolet light 380nm~415nm, emission wavelength: 475nm
		Ultraviolet light 320nm~380nm, emission

		wavelength: 435nm
	CCD connector	0.4X, 0.5X, 1X, 0.5X with reticle
	Video camera	USB output: 130/300/500/10 million pixels Video output: 380/520 TV lines
	Digital camera connector	CANON (EF) NIKON (F)

AST-M330P-HD228S polarizing microscope



产品核心功能 PRODUCT CORE FUNCTION



Microscope parameters:

Model	AST-M330P-HD228S
Eyepiece	Wide field of view WF10X (Φ 22mm)
	Reticle eyepiece 10X (field of view Φ 22mm) division value 0.10mm/division
	Trinocular oblique, allowing for 100% light transmission photography
Eyepiece Tube	Stress-free plan achromatic objectives (without coverslip)
Stress-Free Plan Achromatic Objective (Without Coverslip)	PL L5X/0.10 Working distance: 26.1mm
	PL L10x/0.25 Working distance: 20.2mm
Intermediate Tube	PL L40X/0.60 (spring) Working distance: 3.98mm
	PL L60X/0.70 (spring) Working distance: 2.03mm
	Push-in Blaine lens
Revolver	Four-hole ball internal positioning converter
Compensator	λ , $\lambda/4$ with quartz wedge compensator
Focusing Mechanism	Coarse and fine coaxial focusing with locking and limiting devices, fine adjustment division value: 2 μ m
	150mm rotating stage, 360° equally divided scale, vernier division value 6', center adjustable, with locking device
Stage	12V 30W halogen lamp, adjustable brightness

Illumination System	The polarizer can rotate 360° .
	The analyzer can rotate 360° , with a scale and fine-adjustment vernier.
	It has a built-in field of view and aperture stop.
Transmitted Illumination System	It features a 6V 30W halogen lamp with adjustable brightness.
	The polarizer rotates 360° in polarization direction, with four settings: 0° , 90° , 180° , and 270° . It is positioned below the aperture stop.



Camera parameters:

Maximum resolution	1920*1080P
Effective pixels	2MP
Output resolution	1920×1080P
Chip size	1/2"
Pixel size	3.75×3.75um
Output method	HDMI
Exposure method	Manual/Auto
White balance	Manual/Auto
Scanning method	Progressive Scan
External interface	HDMI ×1.USB ×2
Storage method	USB Flash Drive
Power supply	DC12V
Supported functions	2K



偏光观察样品实拍

晶体 川贝母颗粒
石英岩石薄片 纤维

360°旋转圆形载物台

旋转式载物台，360°等分刻度，游标格值0°中心可调带锁紧装置，工作台垂直有效行程可达30mm，载物台直径：150mm

无应力平场消色差物镜

偏光显微镜专用物镜，消除了应力的存在，能达到更佳的偏光观察效果。由于观测时40X和60X物镜离切片很近故此两个镜头内部设计有弹簧，防止压坏标本

物镜倍数：5X、10X、40X、60X

2K接屏模块化功能设计

通过接高清屏对数码相机进行全面的视频控制和图像处理实时获取高质量的图像变得更加容易。支持拍照、录像、测量、导出数据等众多功能

360°旋转圆形载物台

旋转式载物台，360°等分刻度，游标格值0°中心可调带锁紧装置，工作台垂直有效行程可达30mm，载物台直径：150mm

大视野广角平场目镜

3个WF10X/φ22mm大视野高眼点平场目镜，其中一个带刻度，专业光学镀膜镜片，30°倾斜机头，单边±5°屈光调节，55-75mm瞳距调，符合人体工程学设计，观察更清晰舒适

Microscope Functions:

High-Definition Image Capture

In video mode, click the "Capture" icon to take a picture. The image will be saved as a JPG to an external storage device. Users can modify the naming rules, storage path, and whether to save graphic elements in advanced settings.

High-Definition Image Recording

In video mode, click the "Record" icon to start recording. After recording stops, the video will be automatically saved as an MP4 to an external storage device. Users can set the naming rules and storage path.

Image Measurement and Data Export Functions

Built-in group measurement tools. Performs real-time measurements of various product requirements, including distance, perimeter, height, radius, arc, width, area, and angle. Measurement data can be exported after completion.

Custom Templates

I. In video mode, click the "New" button to enter template mode. After drawing the graphic elements according to

requirements, enter the template name and save.

II. In video mode, perform measurement drawing. Click "New" to convert the measured graphic elements into a template. After measurement, enter the template name and save. III. Importing a DXF file: Click "New" to convert the graphic in the DXF file into a template and enter template mode. Adjust or draw the primitives as needed. Once finished, enter the template name and save.

Crosshair Function: 100 horizontal and vertical moving reference lines can be added or deleted. Use "+" and "-" to input the number of horizontal and vertical scale lines respectively. Hold down the right mouse button to drag the reference line. Reference line color and thickness can be modified.

Image Display: After opening an image, click the left and right page-turning tools to browse the previous and next images; click the black back arrow to exit the browsing interface. Double-clicking a video file opens the video and provides back and pause/play function buttons.

Application Areas:

Widely used in materials analysis, grain observation, metal engineering precision, appearance inspection, SMT, microelectronics, flatness measurement, and aperture-related products.

AST-Trinocular stereo microscope

高清拍照三目体视显微镜
THREE-EYE STEREO MICROSCOPE FOR HIGH-DEFINITION PHOTOGRAPHY

100mm长工作距离，裸眼3D成像



 高清图像拍照 展现精彩世界	 精准图像测量 丰富的测量工具，满足您的需求	
 高清图像录制 60@1080录制无拖影	 裸眼3D成像 格诺诺光学，裸眼3D成像	
 广角目镜 无虚边，舒适观察	 十字线定位 横竖十字线，快速定位产品	
 广角目镜 无虚边，舒适观察	 镀膜物镜 连续变倍，清晰明亮	 金属机身 防腐蚀，结实耐用

Trinocular stereo microscope

Product Model	Product Model: T2-HD208C
Magnification	Optical 7~45X continuous zoom; Electronic 20~200X continuous zoom.
Eyepiece	High eyepoint, wide field of view, eyepiece WF10X/20mm
Observation head	Three-way observation head, 45° tilt, 360° rotation, bilateral field of view $\pm 5^\circ$ adjustment.
Focusing bracket	Focusing frame with adjustable focus wheel tension, lifting range 50mm.
CCD interface	0.5X zoom lens, Type-C camera mount (international standard Type-C mount)
Working distance	90-110mm
Handwheel focusing range	65mm
Stage black and white board	95mm
Cylindrical column dimensions	32mm
Column height	250mm

Upper light source	LED oblique light source
Lower light source	LED Transmitting Bottom Light
Base	200*255*60mm
Optional accessories	0.5X/2X auxiliary objectives, 10X/20X graduated eyepieces, movable stage



Camera parameters:

Maximum Resolution	1920*1080
Pixel Size	2.9*2.9um
Chip Size	1/2.8"
Connectivity	High-definition transmission monitors do not require a computer host.
Exposure Method	Progressive exposure
Output Colors	Color/Black and White
Output Frame Rate	60FPS
Processor	ARM Cortex A7 Dual-core @Max 1.35HZ Processor
Storage Method	SD Card
Peripheral Interfaces	HDMI*1, USB 2.0*1
Power Supply	DC12V
Basic Functions	① Point measurement, ② Line segment measurement, ③ Polyline measurement, ④ Three-point circle measurement, ⑤ Horizontal measurement, ⑥ Area measurement, ⑦ Angle measurement, ⑧ Polygon measurement

目镜观察效果实拍

Eye-piece observation effect real shot



垂直拓展接口
自带0.5X缩小镜



垂直TV拓展接口连接CCD工业相机使成像同步高清显示器或投影机，配合功能强大的软件可高清拍照、录像、测量等功能实现多人同时观看商讨提高工作效率，且降低眼睛疲劳度



接工业相机

CCD同步接13.3寸高清屏

CCD接投影机投影大屏

接高清屏效果实拍

Catch HD screen effect real shot



PCB焊点



昆虫



纤维



橡皮擦