

CELNOVTE

CNT240

Digital Pathology Slide Scanner

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Disclaimer

This product has been designed, manufactured, and tested in accordance with the requirements of GB 4793.1-2007 / IEC 61010-1:2001, *Safety Requirements for Electrical Equipment for Measurement, Control, and Laboratory Use – General Requirements*, and GB/T 18268.26-2010 / IEC 61326-2-6:2005, *Electrical Equipment for Measurement, Control, and Laboratory Use - EMC Requirements - Part 26: Particular Requirements for In Vitro Diagnostic (IVD) Medical Equipment*.

This product complies with the safety requirements specified in GB 4793.1-2007.

This product complies with the emission and immunity requirements specified in GB/T 18268.26.

This manual contains information and safety warnings that must be observed by the operator.

Before operating this product, the operator must fully understand the contents of this manual and strictly follow all instructions provided herein.

Any materials or components referred to in this manual that are related to safety shall not be arbitrarily replaced with non-compliant parts. Otherwise, the user shall bear full responsibility for any resulting consequences.

To ensure safe use of this product, please read this manual thoroughly and carefully before operating the system.

For convenient future reference, this manual should be kept near the workstation in a location that is readily accessible.

Caution

The information, data, precautions, and value judgments contained in this manual represent only the scientific knowledge and advanced technology currently available to us following comprehensive research in this field. We are under no obligation to update this manual on a regular basis in response to the latest technological developments, nor are we obligated to provide customers with copies, updates, or supplementary materials relating to this manual.

We assume no legal liability for any incorrect statements, illustrations, or technical drawings contained in this manual. In particular, we shall not be liable for any direct or indirect economic loss or damage arising from compliance with the statements or other information provided in this manual. Statements, figures, illustrations, and other information concerning the contents of these current operating instructions or technical details shall not be regarded as warranted characteristics of our products.

Any warranted characteristics shall be exclusively determined by the contractual terms agreed between us and our customers.

Our company reserves the right to change technical specifications and manufacturing processes without prior notice. Only in this way can we continuously improve the technology and manufacturing methods used in our products.

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For the instrument serial number and year of manufacture, please refer to the nameplate affixed to the rear of the instrument.

Henan Celnovte Biotechnology Co., Ltd.

Catalogue

Disclaimer	1
Caution	2
1. Important Information	4
1.1. Overview of Symbols and Their Meanings	4
1.2. Nameplate	5
1.3. Safety	5
2. Product Overview	9
2.1. Main Functions	9
2.2. Structural Composition	9
2.3. Working Principle	9
2.4. Scope of Application	9
2.5. Contraindications	10
2.6. Product Operating Environment	10
2.7. Transport and Storage Condition	10
3. Product Technical Specifications	11
4. Precautions	12
4.1. Potential Safety Hazards and Usage Restrictions	12
4.2. Unexpected Incidents During Use and Countermeasures	12
Hazard Countermeasure Table	12
5. Product Installation	13
5.1. Receiving and Handling	13
5.2. Installation Conditions	13
5.3. Installation	13
6. Product Use	18
6.1. Loading Slides	18
6.2. Slide Scanning	19
6.3. Result Viewing	21
7. Product Maintenance	24
7.1. Main Unit Maintenance	24
7.2. Electrical Maintenance	24
7.3. Computer Maintenance	24
8. Frequently Asked Questions (FAQs)	26
9. After-sales Service and Warranty Information	27
9.1. After-sales Service	27
9.2. Warranty	27
9.3. Service Record	28

1. Important Information

1.1. Overview of Symbols and Their Meanings

Symbols	Meanings
	Caution, Danger (In all cases where this symbol is marked, the documentation must be consulted in order to ascertain the nature of the potential hazard and any measures to be taken.)
	Biohazard symbol Warning: Contact with specimens may cause biohazard; avoid direct hand contact.
	Crush/pinch hazard symbol Warning: Be careful to avoid being pinched.
	Grounding symbol
	Electric shock protection symbol
	Note: Important user information, shown in a gray box marked with the information symbol.
	Please follow this instruction manual.
	Electrical and electronic equipment for sale, recycling, and environmentally friendly disposal.
	In vitro diagnostic medical device.
	The items inside the packaging are fragile. Handle with care.
	Indicates the correct vertical orientation of the packaging.
	The packaging must be stored in a dry environment.
	Do not stack the packaging, nor place any heavy objects on top of the packaging.

1.2. Nameplate



This figure is for illustration purposes only. It shows the valid nameplate of the instrument, providing necessary information such as instrument type and power requirements.

1.3. Safety



Any use other than the intended purpose is considered improper. Failure to comply with these instructions may result in accidents, personal injury, or damage to the instrument or accessories. Proper use and intended use include following all inspection and maintenance instructions, as well as all instructions provided in the user manual.

1.3.1. Safety Precautions



- Be sure to follow the safety and warning instructions in this chapter.
- Even if you are already familiar with the operation and use of other brands of products, you must still read these instructions.
- Do not disassemble or modify the protective devices on the instrument or accessories. Only qualified service personnel authorized by Henan Celnovte Biotechnology Co., Ltd. may repair the instrument and handle its internal components.

Residual risks

- This instrument is designed and manufactured using advanced technology and complies with recognized safety technical standards and regulations. Improper operation or handling of the instrument may cause injury to the user or others, or damage to the instrument or property. The instrument must be used only for its intended purpose and only when all safety functions are in proper working order. Any fault that compromises safety must be corrected immediately.
- Use only original spare parts and permitted original accessories.
- Do not remove warning labels or identification labels.

1.3.2. Warning

The safety devices installed on this instrument by the manufacturer only form the basis for accident prevention.

The safe operation of the instrument is the primary responsibility of the specialized personnel who operate, inspect, and maintain the instrument, and particularly of the organization to which the instrument belongs.

To ensure smooth operation of the instrument, the following instructions and warnings must be observed.

Please note that direct or indirect contact with this instrument may generate static electricity.

1.3.3. Safety Regulations and Electromagnetic Compatibility



- This instrument has been designed, manufactured, and tested in accordance with GB 4793.1-2007 “Safety requirements for electrical equipment for measurement, control, and laboratory use - General requirements” and GB/T 18268.26-2010 “Electrical equipment for measurement, control and laboratory use - EMC requirements - Part 26: Particular requirements - In vitro diagnostic (IVD) medical equipment.”
- This instrument complies with the safety requirements specified in GB 4793.1-2007.
- This instrument complies with the radiation and immunity requirements specified in GB/T 18268.26.
- This instrument is designed and tested for electromagnetic compatibility as a Class A device according to GB 4824. In a domestic environment, this instrument may cause radio interference, in which case protective measures shall be taken.
- It is recommended to evaluate the electromagnetic environment before using this instrument. Do not use the instrument near strong radiation sources (e.g., unshielded RF sources), as this may interfere with its normal operation.
- The instrument must be properly grounded; otherwise, its safety and EMC performance cannot be guaranteed.

1.3.4. Transport and Installation



- The instrument must be transported vertically.
- Lifting or moving the instrument requires two people!
- If there is a large temperature difference between the warehouse and the installation site with high air humidity, condensation may form inside the instrument. In this case, you must wait at least two hours before switching on the instrument; otherwise, the instrument may be damaged.
- The installation location must be well ventilated and free from any ignition sources.
- Do not operate the instrument in hazardous locations.
- The floor must support at least 60 kg, and the workbench must support at least 50 kg.
- Do not place the instrument where it is difficult to disconnect the power supply.
- The instrument must be operated only with the supplied power cord. Do not use any other power cord as a substitute. If the supplied power cord does not match the socket at the installation site, please notify our service personnel.
- The instrument must be connected to a grounded power socket to ensure proper grounding. Do not use an extension cord without protective grounding.

1.3.5. Instrument Operation



- Only trained laboratory personnel may operate this instrument.
- The instrument must be used only for its intended purpose and operated in accordance with the instructions in this user manual.
- If the instrument is used in a manner not specified by the instructions, the protection provided by the instrument may be impaired.
- In case of emergency, turn off the power switch and disconnect the instrument from the power supply.
- When handling potentially infectious substances (e.g., human samples or reagents) where skin contact is possible, appropriate protective clothing such as a lab coat, gloves, and goggles must be worn to avoid skin contact with samples or reagents.
- During operation, do not obstruct or interfere with motor-driven components by using objects or manual force. Broken glass may cause personal injury.
- If the instrument is not to be used for an extended period, disconnect the power supply and release the negative pressure.
- During idle periods, remove all components or other objects from the working area.
- Ensure that no liquid enters the interior of the electronic device during operation.

1.3.6. Warning - Handling Samples



- Handle samples with care! Always wear rubber gloves.
- Disposal of used samples must comply with applicable local regulations and the disposal rules of your company/laboratory/hospital.

1.3.7. Danger - Servicing and Cleaning



- Before starting any maintenance, turn off the instrument and unplug the power cord.
- Only authorized service technicians from Henan Celnovte Biotechnology Co., Ltd. may open the instrument to perform maintenance and repair work.
- When using cleaning agents, follow the manufacturer's safety instructions and laboratory safety rules.
- Do not use scouring powders or solvents containing acetone, chlorine, or xylene to clean the instrument surfaces. Use a mild, neutral, common household cleaner to clean the outer cover and housing.
- Aggressive cleaning agents and solvents will damage painted surfaces.
- Ensure that no liquid enters the interior of the electronic device during cleaning.
- Any replacement parts for this product must be materials specified by our company.

2. Product Overview

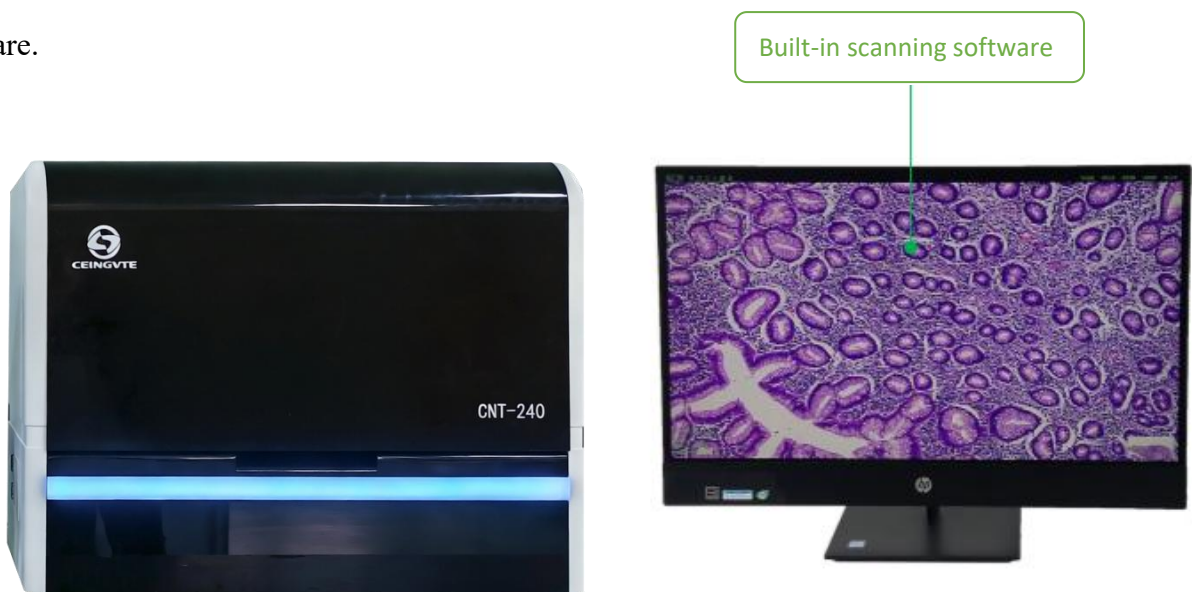
2.1. Main Functions

This product is a Pathology Slide Scanner, model CNT240. It is an active, non-implantable medical device. Product dimensions: 804 mm (length) × 425 mm (width) × 625 mm (height).

The main functions of this product are to scan tissue and cell samples, observe them, and generate digital microscopic images. It can create a pathology slide library and database, facilitating the retrieval and storage of difficult cases and important data. It can also be used for telepathology consultation, scientific research and analysis, morphology teaching, and hospital information system construction.

2.2. Structural Composition

This product consists of an optical imaging system, an image acquisition system, and scanning software.



2.3. Working Principle

The principle generally uses photographic scanning to render cells on slides or sections as scanned images. The device does not have image analysis functions and does not provide result interpretation.

2.4. Scope of Application

Used for microscopic magnification and observation of clinical samples.

2.5. Contraindications

None have been identified.

2.6. Product Operating Environment

- a) Indoor use;
- b) Altitude: $\leq 2000\text{m}$;
- c) Temperature: $5^{\circ}\text{C}\sim 40^{\circ}\text{C}$;
- d) Relative humidity: $\leq 80\%$;
- e) Equipment operation mode: Continuous operation.

2.7. Transport and Storage Condition

Transportation shall be carried out in accordance with contract requirements. During transport, the equipment must be protected from inversion, breakage, rain, direct sunlight, and stacking. The transport temperature shall be -20°C to 40°C , with relative humidity not exceeding 80%. The packaged equipment shall be stored indoors at a temperature of -20°C to 40°C , with relative humidity not exceeding 80%, in a well-ventilated area free from corrosive gases.

3. Product Technical Specifications

Item	Parameter
Loading capacity	240 slides
Scanning speed	Maximum scanning speed not less than 4 cm ² /min (scanning area 15mm × 15mm, 20× objective)
Objective lens positions	2
Ambient temperature range	5°C ~ 40°C
Relative humidity range	≤80%
Atmospheric pressure	86kPa ~ 106kPa
Power supply voltage	AC220V
Power frequency	50Hz
Power rating	160VA

The computer is to be provided by the user. The computer requirements are as follows:

Item	Parameter
Operating system	Windows 10
CPU	Intel® Core™ Ultra 9 285 processor
Memory	32GB
Hard drive	512 GB solid-state drive + 4 TB mechanical hard drive
USB 3.0	2
Ethernet port	1

4. Precautions

4.1. Potential Safety Hazards and Usage Restrictions

Safety Hazard Analysis and Control Table

Potential Hazard	Hazard Effect	Cause Analysis	Hazard Control	Usage Restriction
Product contamination	Harm to product user	1. Inadequate cleaning/disinfection; 2. Improper operation causing slide breakage	Operate under normal conditions, be familiar with operating procedures, and perform routine maintenance	For use by personnel with biohazard protection experience
Electric shock	Personal injury	1. Damaged power cord; 2. Poor grounding; 3. Moisture/humidity	Perform routine maintenance	For use by personnel experienced in electrical safety
Fire caused by electricity	Personal injury and property damage	1. Overload on auxiliary power outlet; 2. Aging wires or short circuit	Use electricity properly and perform routine maintenance	For use by personnel experienced in electrical safety and with basic fire safety knowledge

4.2. Unexpected Incidents During Use and Countermeasures

Hazard Countermeasure Table

Unexpected situation	Potential hazard	Countermeasure
Sudden power failure during use	Interruption of scanning	Terminate use, turn off power.
Mechanical failure during use causing specimen slide breakage	Possible contamination of product and operator	Immediately terminate use, clean up fragments, and disinfect the product system (to be handled by engineers trained in installation and cleaning).
Emergency situations in the working environment, such as fire, earthquake, flood, etc.	Operator injury, product damage	Immediately terminate use, turn off power, evacuate personnel. Before re-use, the product must be disinfected and recalibrated.

5. Product Installation

5.1. Receiving and Handling



Note that the wrench points are located on both sides of the instrument, as shown in the figure below. Do not apply force elsewhere.



When you receive this product, first check the outer packaging for any obvious damage. Unpack all components and verify their completeness against the packing list. If any damage is found, contact our company immediately; we will handle it promptly.



This product contains precision optical components. Please use the designated carrying handles indicated on the device. Handle gently during transport to avoid sudden shocks or vibrations. Even relatively minor impact may affect the precision of the product.

5.2. Installation Conditions

This product is a precision instrument. Use or storage in an improper environment may lead to malfunction or poor performance. Consider the following factors when selecting an installation location:

- Choose a sturdy workbench with a level surface.
- Install the equipment and power supply unit at least 10 cm away from walls.
- Select a location where the risk of collision, earthquake, or other potential disasters is low.
- Install this product in a dry, pollution-free, clean environment.
- To avoid liquid spillage, do not use this product near water.
- Ensure that the working environment temperature and humidity meet the requirements. Installing the product in a hot and humid location may cause mold or condensation, which could affect product performance or cause malfunction.
- In case of emergency, the power cord should be easily accessible for disconnection from the AC outlet of the power supply unit.

5.3. Installation

Before assembling and operating the equipment, carefully read the statements and safety guidelines in this manual, and follow the steps specified in this manual. During installation, any accessories and

packaging materials removed should be properly stored for future transportation needs.

5.3.1. Host Installation

Place the scanner on a flat, stable workbench. Pay attention to the designated lifting/handling points; do not grasp other parts of the instrument.

5.3.2. Cable Connection

Do not plug the power cord into the power outlet first. Ensure the power switch on the control box is in the OFF position.

(1) Connect the corresponding cables to the appropriate sockets on the scanner, ensuring all are fully inserted and secured, including:

a) Ethernet cable

b) Power cord

(2) Connect the other end of the Ethernet cable to the network port of the computer.

(3) Connect the other end of the power cord to a power strip.

(4) Connect the USB cable to a USB 3.0 port on the computer.

(5) After verifying that all cable connections are correct, turn on the power switch, then turn on the computer.

(6) Cable list



No.	Cable Name	Cable Diagram	One End Connected To	The Other End Connected To
1	STAGE XY cable		“STAGE XY” marked on the control box	“STAGE XY” marked on the XY stage of the scanner main unit
2	STAGE Z cable		“STAGE Z” marked on the control box	“STAGE Z1” marked on the rear of the scanner main unit
3	Power cord		Power switch on the control box	Power outlet

4	USB3 cable		USB 3 port on the computer	“USB3” marked on the camera on top of the scanner main unit
5	Ethernet cable		Ethernet port on the computer	“ETHERNET” marked on the control box

 Each cable must be fully inserted and secured.

 The USB cable must be connected to a USB 3.0 port on the computer; otherwise, the camera frame rate will be significantly reduced, resulting in abnormal scanning.

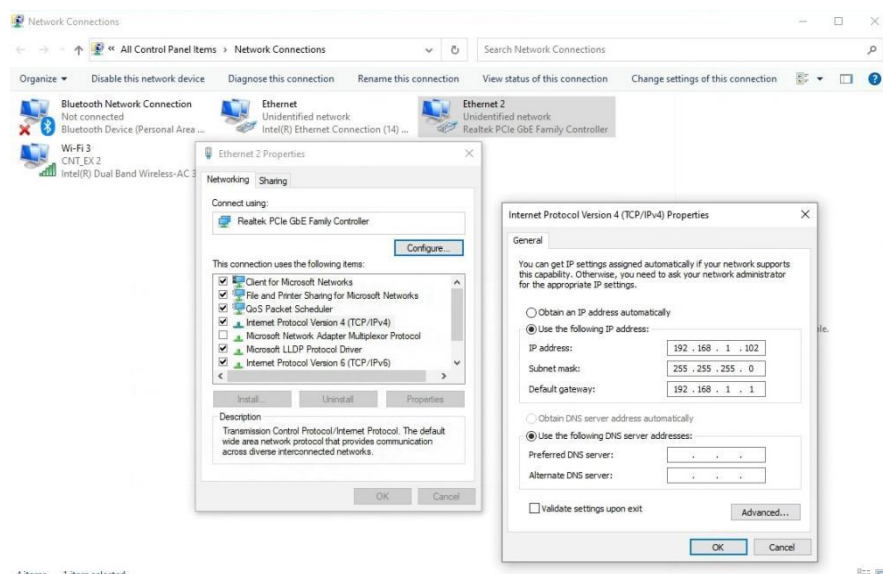
5.3.3. Software Installation

 The computer used with this product must be certified with China Compulsory Certification (CCC); otherwise, the system compliance with overall safety and electromagnetic compatibility requirements cannot be guaranteed.

(1) Install the camera driver.

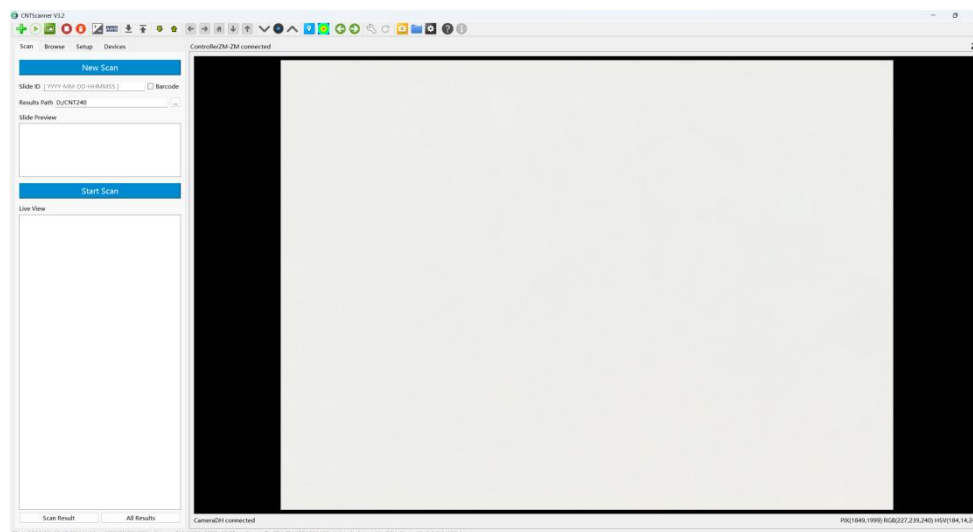
(2) Copy the CNTScanner software to the computer.

(3) Set the IP address corresponding to the network port connected to the controller to 10.0.0.101, with a subnet mask of 255.0.0.0.



After correct configuration, a ping command should receive a response.

(4) Open the CNTScanner software. The main interface is shown in the figure below.



The interface is mainly divided into the toolbar area at the top, the function area on the lower left, and the main view area on the lower right. Depending on user permissions, buttons that are grayed out cannot be used.

The functions of the toolbar are described as follows:

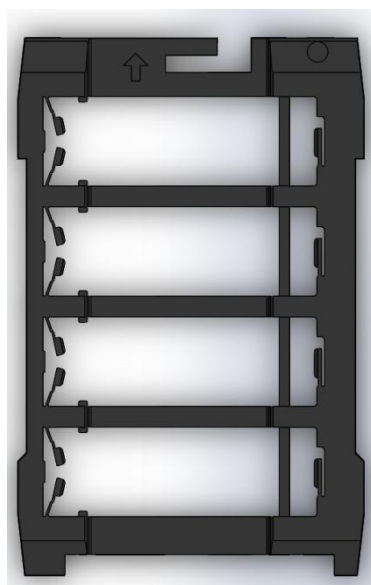
Icon	Tooltip Text	Function Description
	New Scan	Enter area selection interface or open preview/capture window.
	Start Scan	Scan the selected area
	Scan Results	Open the file directory where scan results are saved
	Stop	Stop actions, including scanning, axis movements, etc
	Delete Scan	Exit new scan and return to the initial interface.
	Auto Exposure	Enable camera auto exposure function
	Auto White Balance	Enable camera auto white balance function
	Load Slide	Move the stage outward for the user to place or remove a slide
	Unload Slide	Move the stage inward
	Previous Slide	Move the stage to the previous slide position

	Next Slide	Move the stage to the next slide position
	Stage Left	Move the stage in the negative direction along the slide length
	Stage Right	Move the stage in the positive direction along the slide length
	Stage Home	Move XY stage to zero position, Z-axis to focus position
	Stage Out	Move the stage in the negative direction along the slide width
	Stage In	Move the stage in the positive direction along the slide width
	Focus Down	Move Z-axis down by 1 μm
	Go to Focus	Move Z-axis to the previous focus position
	Focus Up	Move Z-axis up by 1 μm
	Objective Left	Rotate objective one click to the left
	Manual Focus	Set current Z- axis position as focus
	Fast Focus	Auto- focus with current objective and save the result
	Objective Right	Rotate objective one click to the right
	Calibrate	Start calibration
	Demo	Start demo mode; the software will automatically perform cyclic scanning
	Capture Image	Save the current camera image
	Open	Open the software directory
	Settings	Open settings window
	Print	Print the current camera image
	Help	Open help documentation

6. Product Use

6.1. Loading Slides

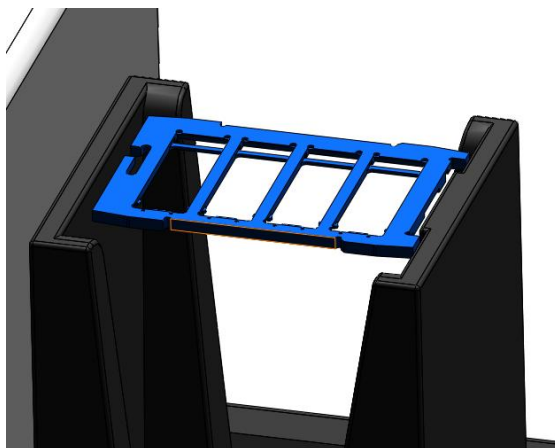
(1) Remove the slide tray. Hold the slide by the label end with your right hand, insert it into the left clip, press it down onto the bottom crossbar, then release your right hand. The slide will automatically spring to the right and latch into place. The label of the slide should face to the right, as shown in the figure below.



(2) Place the slide tray into the loading magazine. The orientation must be as shown in the figure below.

 If the slide tray is not inserted properly, it will directly result in the tray failing to load and scanning cannot be performed.

 The 50-slide trays should be stacked vertically and placed into the loading magazine from top to bottom; otherwise, loading failure may occur.



(3) Slide Precautions

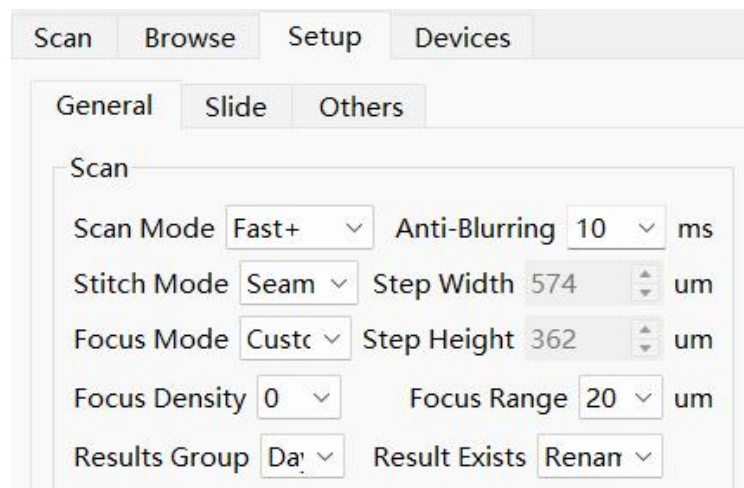
- ⚠ Distance from coverslip to edge of slide must be greater than 5 mm.
- ⚠ The coverslip must not extend beyond the boundaries of the slide.
- ⚠ The thickness variation of slides being scanned must not exceed 100 μm .
- ⚠ In the length direction of the slide, the distance from the slide label to the end of the slide must be greater than 5 mm; in the width direction of the slide, the label must not extend beyond the slide edges.
- ⚠ Slide dimensions: length 75-76 mm, width 25-26 mm, thickness 0.9-1.2 mm.

If the above conditions are not met, the slide may jump out of the slide tray, resulting in slide damage.

Supported: International standard slides: Section dimensions 26 mm $\times$ 76 mm $\times$ 0.9–1.2 mm, 0.17 mm coverslip.

6.2. Slide Scanning

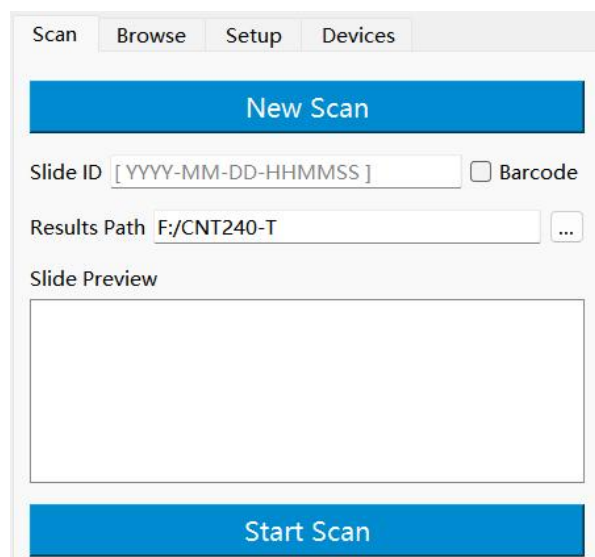
- (1) Scan-related settings are located under the tab "Setup" $\rightarrow$ "General".



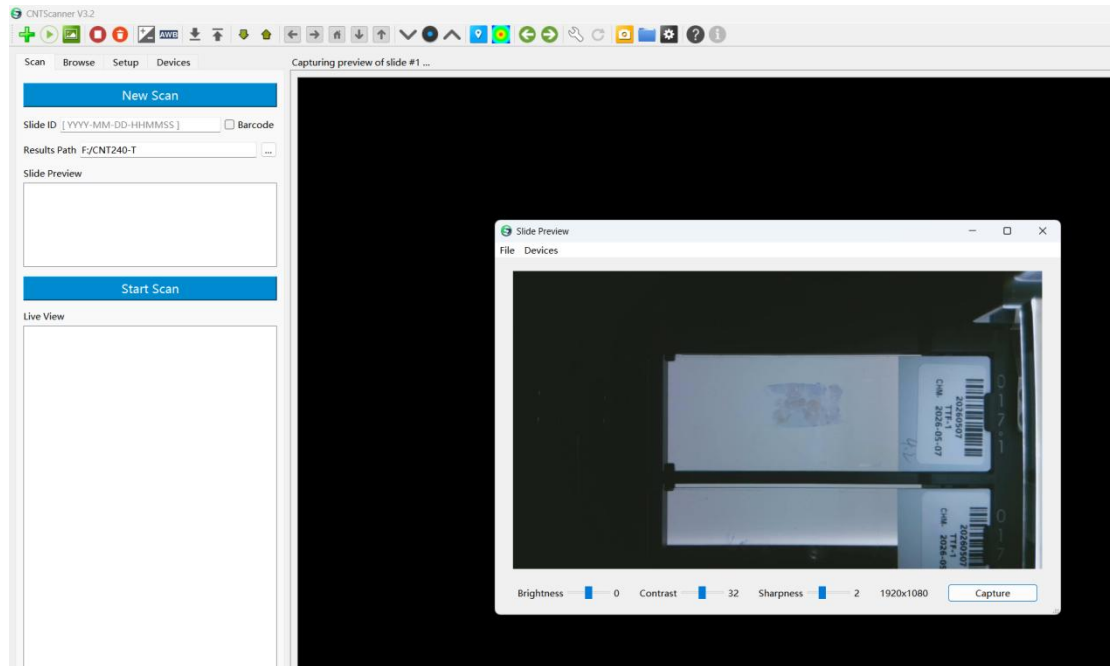
The main configurable options include scan mode, stitch mode, focus mode, and focus range. The default settings can generally be used. Detailed explanations of the parameters can be found in the software's built-in help documentation.

(2) Set the storage name for scan results. By default, the date and time are automatically used as the storage name. If the slide has a barcode, you can check "Barcode" to automatically generate the name, or you can manually set it in "Slide ID".

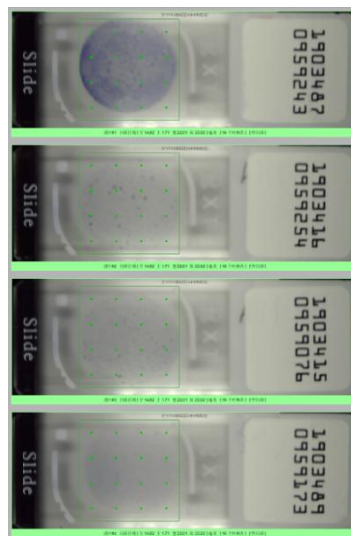
Set the storage path for scan results. By default, results are stored in the ScanResults directory of the scanning software, but you can also set a custom path.



(3) Click "New Scan". The stage automatically loads a slide and moves to the preview position, and the software opens the preview/capture interface.



(4) After waiting for the exposure to stabilize, click “Capture”. The software automatically acquires preview images from four positions and displays them in the main software window.

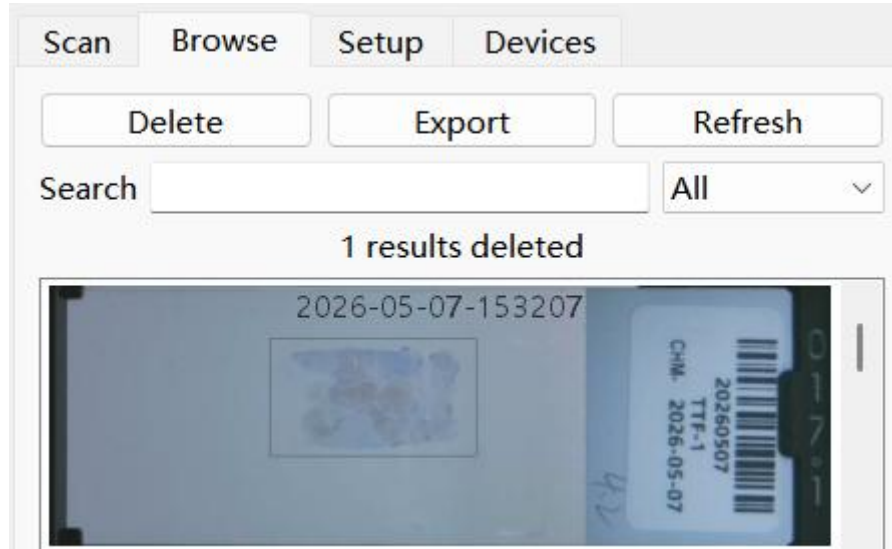


 Note: Scan results require a large amount of hard disk space. Scan results should be periodically removed.

6.3. Result Viewing

(1) Viewing

Switch to the "Browse" tab to display historical scanning results.



(2) Browsing Results

Click on any scanning result to display a large image of that result in the main view. In the main view, you can zoom in/out using the mouse wheel, or pan by dragging.

The software supports simultaneous viewing of multiple results. Double-click on the desired result to open a new window displaying the large image of that result; the operation is the same as in the main view.

The main view also provides the following functions:

a) Annotation Tools

Located in the upper left corner. Use the left button to select a tool, and the right button to execute on the view.



b) Ruler Information

Located in the lower left corner.



c) View Operations



d) Navigation Map

Located in the lower right corner. Click on the navigation map to directly display the view at that position.

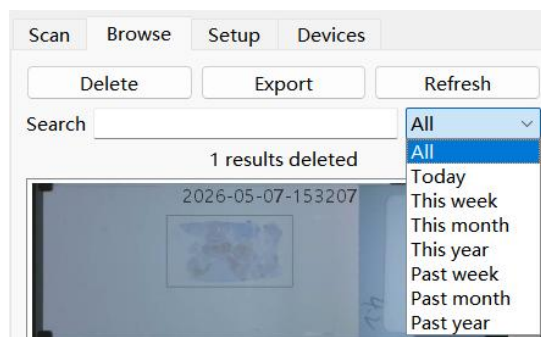
(3) Deleting Results

To delete a scanning result, first select the result, then click “Delete”.

(4) Searching Results

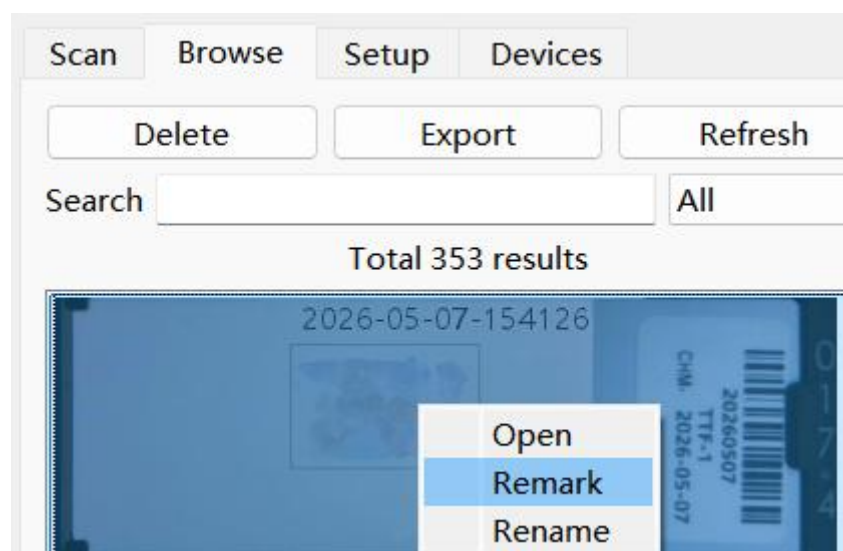
If there are many results and you need to quickly find a specific one, enter keywords in the "Search" bar to filter out irrelevant results.

To display results from a specific time period, click the drop-down box on the right.



(5) Adding Remarks

Right-click on a scanning result to display a menu for adding or modifying information.



7. Product Maintenance

7.1. Main Unit Maintenance

- (1) When the main unit is not in use, cover the slide compartment lids on both sides.
- (2) Periodically clean the surface of the main unit to remove dust and dirt.
- (3) If optical lenses are dirty, use only dedicated soft brushes, cotton swabs, lens cleaning paper, or cotton cloths for cleaning. When wiping, start from the center and move outward in a circular motion. Do not apply excessive pressure.
- (4) To remove water-soluble stains (e.g., coffee, Coca-Cola), use a lint-free cotton cloth lightly moistened with a small amount of water or a mild water- diluted cleaning agent.
- (5) To remove oily or greasy stains (e.g., immersion oil, fingerprints), use cotton swabs or a lint- free cotton cloth together with a specialized optical cleaner (e.g., anhydrous ethanol).

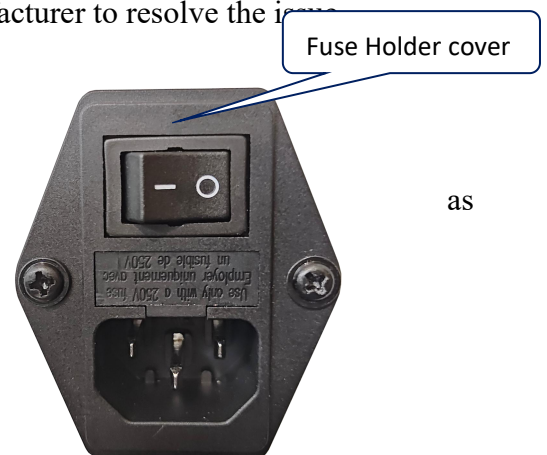
7.2. Electrical Maintenance

- (1) Inspect the power cable and power plug for any damage. If any damage is found, immediately turn off the instrument, ensure safety, and contact the manufacturer to resolve the issue.
- (2) To replace the fuse, follow the steps below:

- a) Turn off the power and unplug the power cord.
- b) Use a small screwdriver to open the fuse holder cover as shown in the right figure.
- c) Remove the old fuse and replace it with a new fuse of the same specification.

Fuse specification: F2AL 250V.

- d) Close the fuse holder cover securely and plug in the power cord.



7.3. Computer Maintenance

- (1) The computer should be placed in an area with minimal clutter around it to ensure proper air circulation. The rear of the computer should be kept about 20 cm away from the wall to maintain adequate airflow.
- (2) Periodically use degreased cotton balls to gently wipe dust off the computer surface.
- (3) Perform virus scans and other checks, and confirm that important files on the hard disk have been backed up.

- (4) Delete unused files and directories.
- (5) Ensure that the computer does not experience sudden power loss during normal operation. An abrupt power failure may cause violent friction between the read/write head and the disk platter, potentially damaging the hard disk.
- (6) If the mains voltage supplied to the product is unstable, an uninterruptible power supply (UPS) should be installed for the system computer. Voltage instability may, in mild cases, cause data loss or bad sectors on the hard disk; in severe cases, it may result in permanent hard disk damage.

8. Frequently Asked Questions (FAQs)

The following conditions are not malfunctions. Please verify them before contacting the after-sales service center.

Serial No.	Issue	Solution
1	Motion platform cannot be controlled	Confirm that the correct controller model is selected.
		Confirm that the network connection between the control box and the computer is normal. You can try using the ping command.
		Confirm that system initialization is normal. Try restarting the control box.
2	Camera cannot display image normally	Confirm that the camera is properly connected to the computer and the driver is successfully installed. Try reconnecting the cable.
		Confirm that the light source is turned on.
		Confirm that the camera exposure time is neither too long nor too short.
3	Focusing fails or focusing quality is poor	Check the prompt message: whether no objective lens is present, whether the camera is not connected, or whether the controller is not connected.
		Confirm that the Z-axis zero point is calibrated.
		Confirm that there is a clear target directly under the objective lens.
4	No image in preview dialog	Confirm that the preview camera is properly connected to the computer and the driver is successfully installed. Try reconnecting the cable.
		Click the "Device" menu in the slide preview dialog and select the correct camera.
		Click the "File" menu in the slide preview dialog and restart the camera.
5	No response after starting scan	Check the prompt message: whether no objective lens is present, whether the objective lens is not focused, whether the camera is not connected, or whether the controller is not connected.
		Confirm that the platform can be operated normally.
6	Scanned image shows obvious brightness variations	Confirm that the camera's "Auto Exposure" is turned off.

9. After-sales Service and Warranty Information

9.1. After-sales Service

When used correctly in accordance with this instruction manual, the product has a service life of five (5) years from the date of purchase. After-sales service for this product – including computer hardware and software, as well as mechanical, optical, and electrical components inside the main unit – shall be provided exclusively by the manufacturer's after-sales service department or by specially authorized technicians. To maintain optimal, trouble-free operation of your system for as long as possible, it is strongly recommended that a service/maintenance contract be arranged with the manufacturer.

9.2. Warranty

- (1) Free repair warranty for one (1) year.
- (2) The following circumstances are excluded from free warranty coverage:
 - a) Damage caused by improper transport, installation, misuse, or inadequate care by the user.
 - b) Disassembly of the product by unauthorized personnel.
 - c) Altered purchase invoice, or inability to provide a valid purchase invoice.
 - d) Damage resulting from external causes such as abnormal voltage, fire, etc.
 - e) Unauthorized modification of internal components.
 - f) Failure to follow the instructions provided in this manual, the warnings on the equipment label, or other specified precautions.

9.3. Service Record

[illegible]

Manufacturer: Henan Celnovte Biotechnology Co., Ltd.

Manufacturer's Address: No. 55, Yulan Street, Zhengzhou High-tech Industrial Development Zone, Henan, China

After-Sales Service Provider: Henan Celnovte Biotechnology Co., Ltd.

After-Sales Service Address: No. 55, Yulan Street, Zhengzhou High-tech Industrial Development Zone, Henan, China

After- Sales Service Number: 0371-56596916