

Panthera Cloud Server Manual

Ver.2.0

2020.07.24

Welcome to Panthera Cloud



Welcome to Motic Panthera Cloud.

Motic Panthera Cloud is a professional digital microscope software applied in server-end, it based on Android is researched and developed by Motic. Users can view, capture, edit, save and share live image with people in network.

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1 Manual (Server)

The manual provides an overall explanation about the operation of Panthera Cloud server software.

Each item is arranged to meet graphic user interface (GUI)'. Each theme will be explained in the order of Toolbars. Major interfaces include Live Camera view, Album interface, Static Image Editor interface.

Panthera Cloud server will be distributed in various versions and may consist of various plug-in modules. Therefore, this manual may not contain contents that do not pertain to a user's software package. Also there may not be an explanation about an additional module purchased by the user in this manual. In this case, please refer to help provided along with the relevant module.

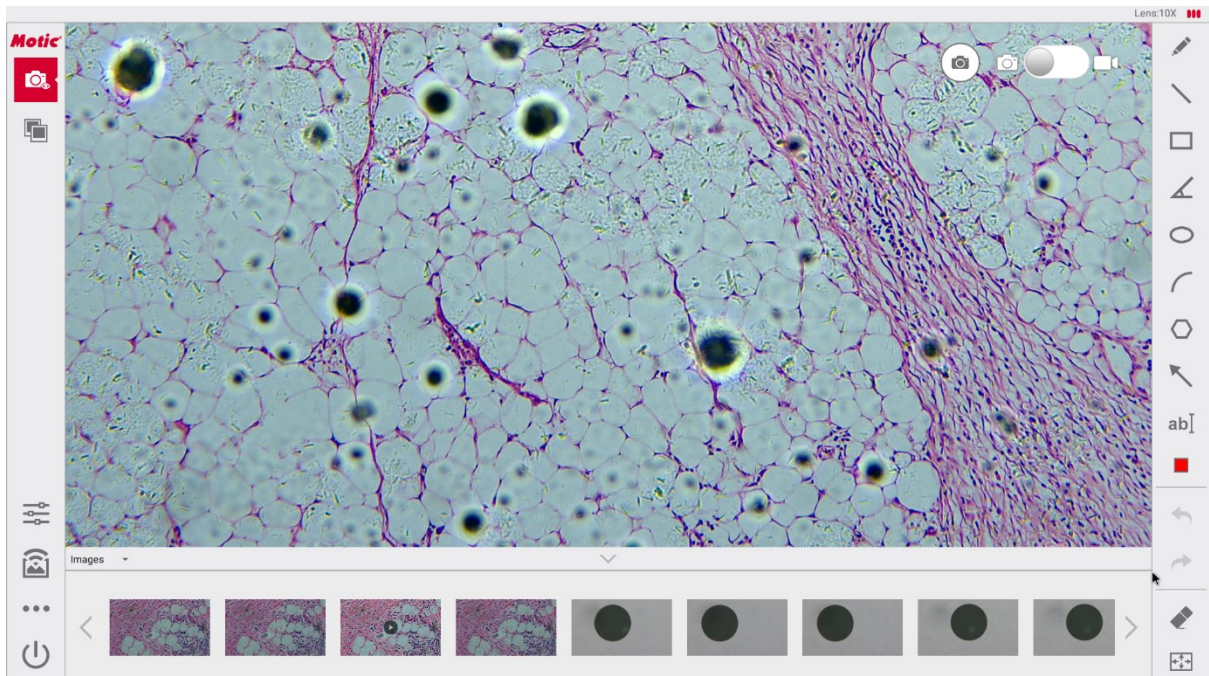


Fig 1-1 Live Camera view

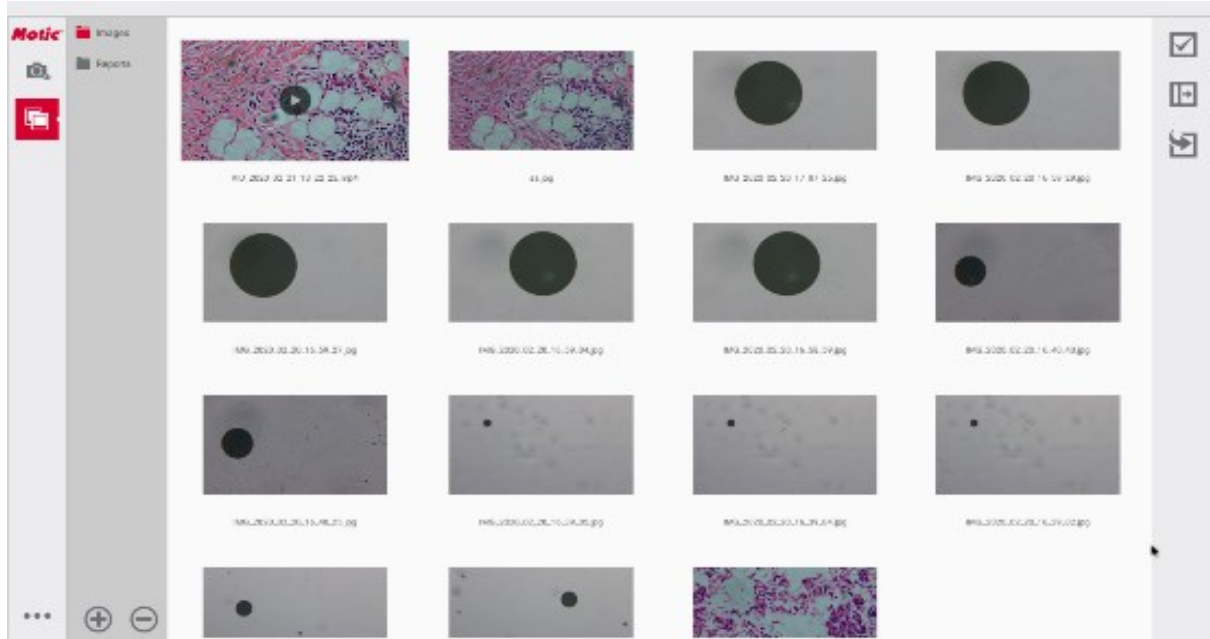


Fig 1-2 Album Interface

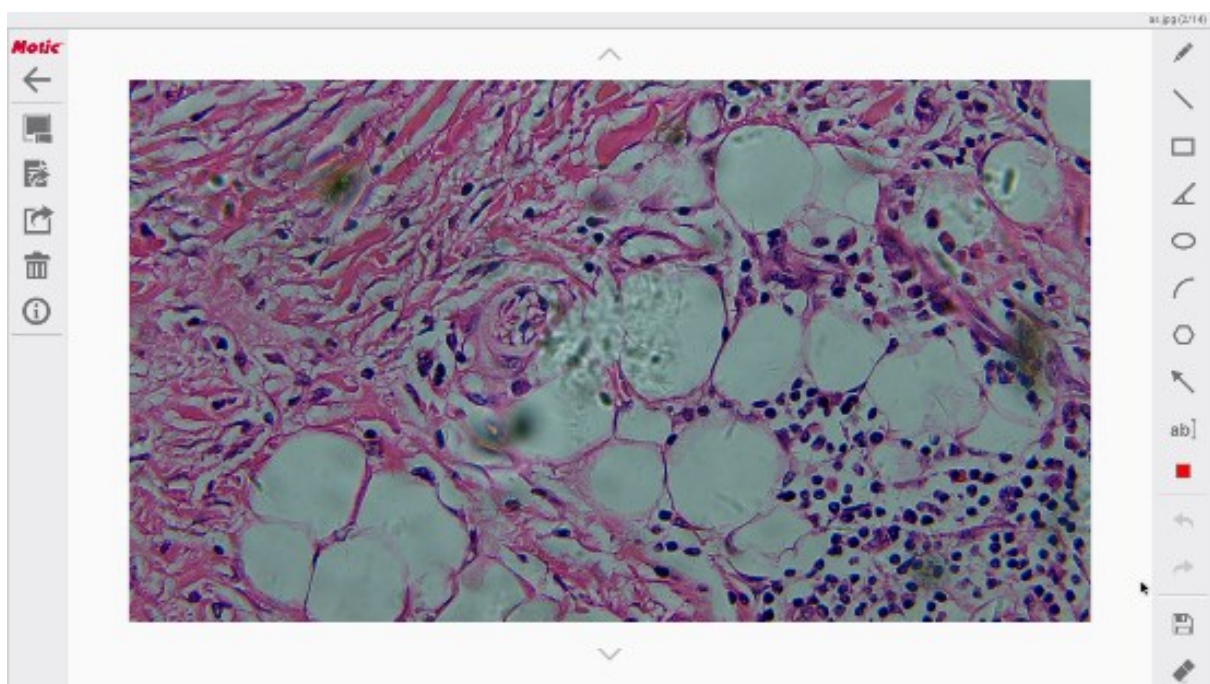


Fig 1-3 Static Image Editor Interface

Note:

Button / shortcut operation: Generally **click** the button / shortcut to pop up new interface, windows or dialog box, if there is any other operation, this button or shortcut operation will be specified.

2 Live Camera view

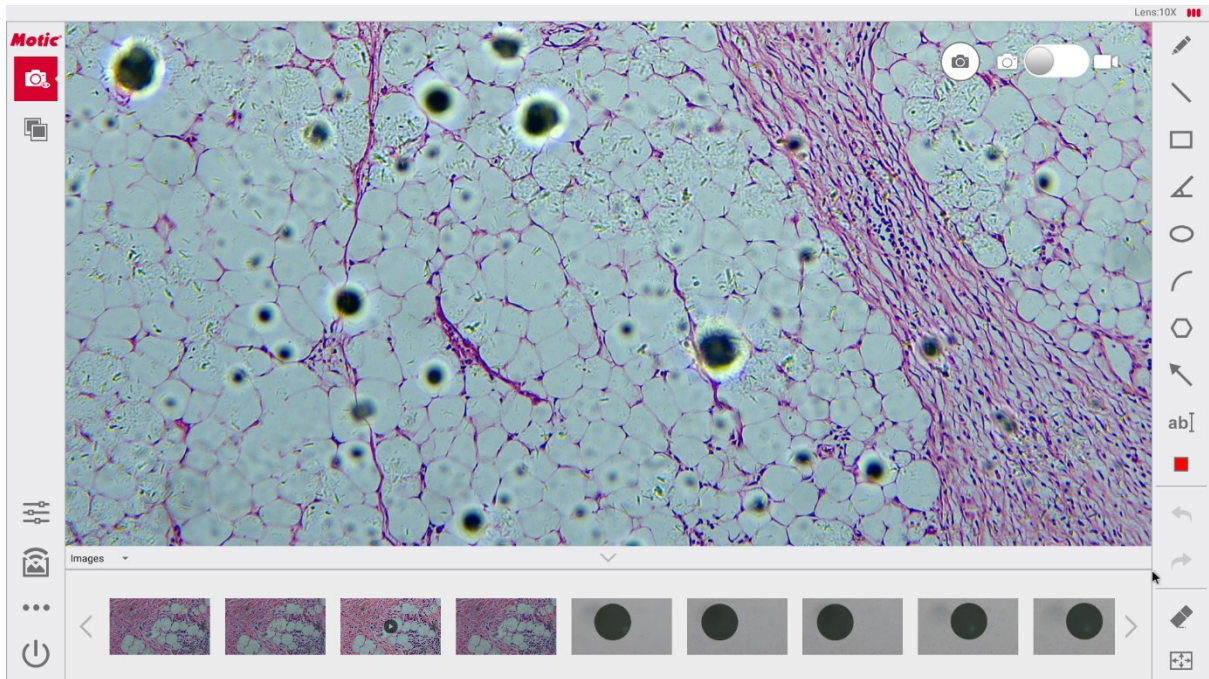







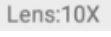



Fig 2-1 Live Camera view

- ①  **Live Camera view:** This interface is the software default main interface, you can preview live images, draw and measure on current image, and you can capture an image / recording images in **Live Camera view**.
- ②  **Album Preview:** Preview, edit the saved image or video.
- ③  **Image Settings:** Adjust image properties.
- ④  **MoticHub:** Turn On/Off MoticHub WiFi, and Enable/Disable connectivity.
- ⑤  **System Settings:** Set system parameters.
- ⑥  **Sleep:** Microscope and display are in sleep mode, Click the mouse or adjust illuminant to wake up microscope.
- ⑦  **Status Bar:** Automatically display the objective magnification () and FPS( frame per second).

- ⑧ **Measurement Tool:** Draw, measure on the Image Window.
- ⑨ **Album Preview:** Preview the saved image in the selected folder via the Image Preview Window.
- ⑩ **Image window:** The window of displaying the live image, static image, video and so on.

2.1 Photo / Video



Photo / Video: Switch the camera / Video recording function

by Dragging  the slider.

Click on the left / right side of the slider window or drag the slider to the left / right to start **Photo / Video recording** function.



Photo / Video recording function status are shown below.





Fig 2-2 **Photo** Status



Fig 2-3 **Video recording** Status

Photo: When the display window displays  **Photo** button, click  **Photo** button to capture an image.

Video: When the display window displays  **Video** button, click  **Video** button to record images.

2.2 Measurement Tool


Measurement Tool is available on the right of interface shown as Fig2-1, it composes of Pen, Line, Rectangle, Angle, Ellipse, Arc, Polygon, Arrow, Text, Settings, Undo, Redo, Eraser and Full Screen.

System Settings> Advanced> [7.2.2 Show Measurement Information](#), Turn on the button **【Show Measurement Information】**, after drawing with Measurement Tool, Measurement Information will show automatically.

2.2.1 Pen





Pen: Drawing free line. Draw a curve optionally.

First click  Pen button, then press the left mouse and move the mouse wheel to draw a curve optionally, relax the left mouse to finish drawing.

2.2.2 Line



Line: Click  the straight button, the system automatically pops up the default straight line and display the length information of the line. The user can adjust the line position and length as needed, real-time Measurement Information will show automatically.

First click  the button, a straight line with a cross at both ends appears in the image window, and then press and hold down the left mouse to select the straight line, dragging to the desired position, hold down the left mouse button to select the cross mark and move the mouse to lengthen / shorten the straight line to Where needed. Measurement Information will show

automatically.

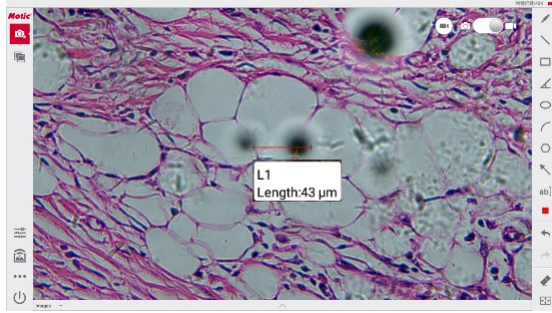


Fig 2-4 Line measurement

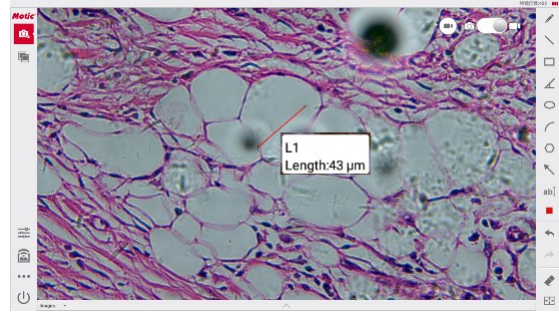











Fig 2-5 Line measurement Result

2.2.3 Rectangle, Angle, Ellipse, Arc, Polygon, Arrow

The operation of **rectangular** , **angle** , ellipse , arc , polygon , arrow , etc. are similar to line  drawing / measurement, please refer to [2.2.2 Line](#).

2.2.4 Text

Text: Click  text button to enter text on the desired location of image.

First click  text button, and then click the point where text needs to be marked in image as shown in Fig2-6, follow the dialog prompt to enter the text, then click "**Ok**" button, and finally right-click to finish **Text**.

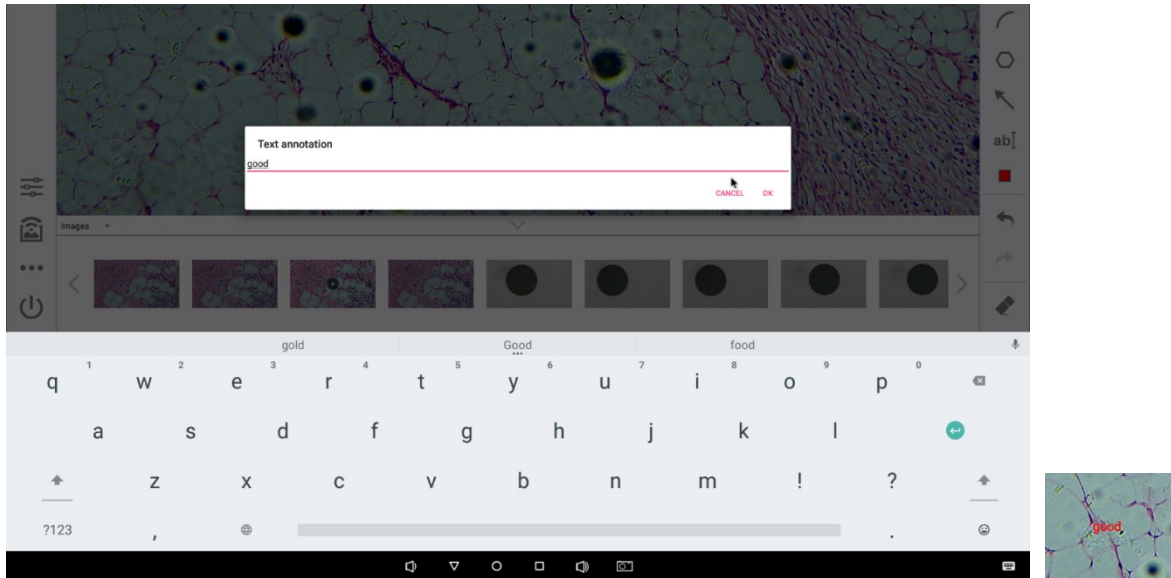


Fig 2-6 Text dialog

2.2.5 Settings

Settings: Set up Thickness, Font Size, and color of the measurement object.




Click  button, **Settings** dialog box appears as follow, and click  to select the value, then Click  to finish setting and exist dialog box. ALL objects of measurement setting will update to the set value.



Fig 2-7 Settings Window

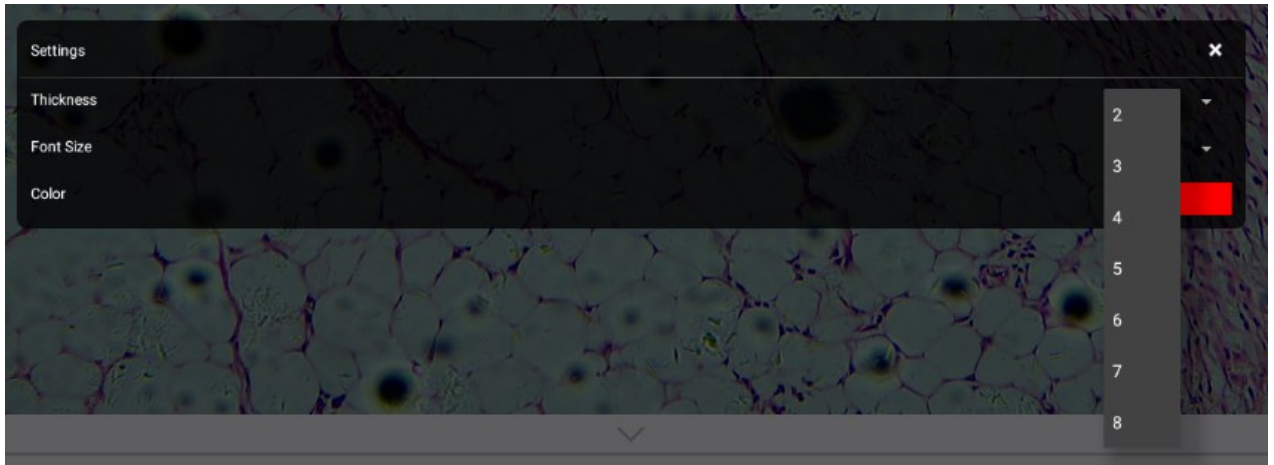


Fig 2-8 Line Thickness

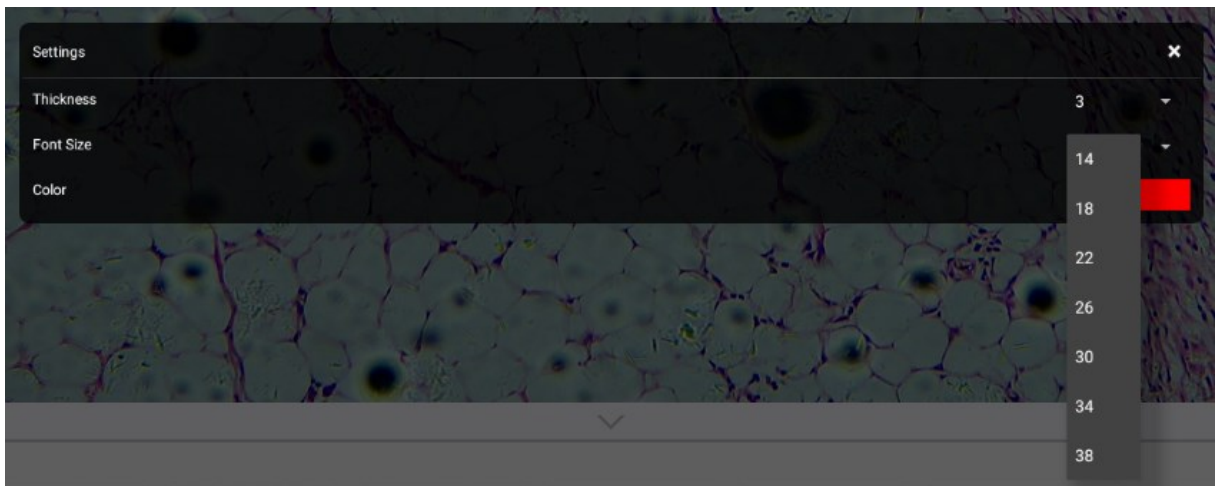


Fig 2-9 Font size

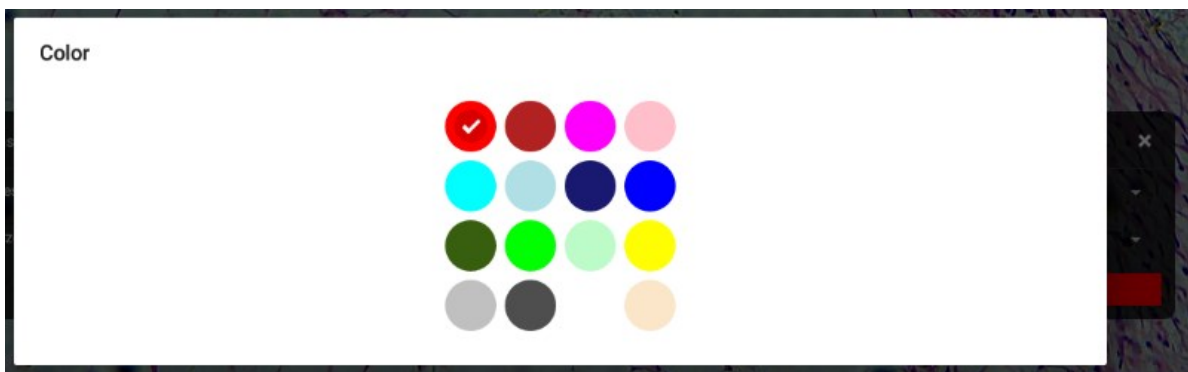




Fig 2-10 Color

2.2.6 Undo/Redo

 **Undo:** Cancel the recent execute. It can be performed multi times.

 **Redo:** Re-execute the recent undo execution. It can be performed multi times.

2.2.7 Eraser


 **Eraser:** Erase the selected measurement objects.


1) Click  icon, the  (gray) changes to  (red)

: Eraser function is activated.

2) Click the measurement object one by one, and the selected measurement object disappears one by one.

2.2.8 Full Screen

 **Full screen:** The bar is to switch the current display mode to **Full screen** display.


Click  **Full screen** button and the image switches to the **Full screen** display. Then click on the image window, and the image returns to the previous display.

2.3 Album Preview






Fig 2-11 Album Preview Window


Album Preview image steps:


- 1) **Choose a Folder:** Click  **1** icon to choose a folder as the current image being saved folder.

Built-in Folder: **Image, Report**

- 2) Click  **2** icon to hide/show **Album Preview** Window.
- 3) Click ( **3.1**,  **3.2**) icon to move and preview the saved image files, so you may find the desired image easily.
- 4) Click the thumbnail on **Album Preview** Window to check the image and the window of Static Image Editor (Fig1-3) appears, you can edit the selected image, more detail refer to [4 Static Image Editor](#).

3 Album

 **Album**: Preview, edit the saved image or video in **Album**.

Click  **Album** button On **Live Camera view** (main interface fig2-1), pop-up **Album interface** as shown in Fig3-1.

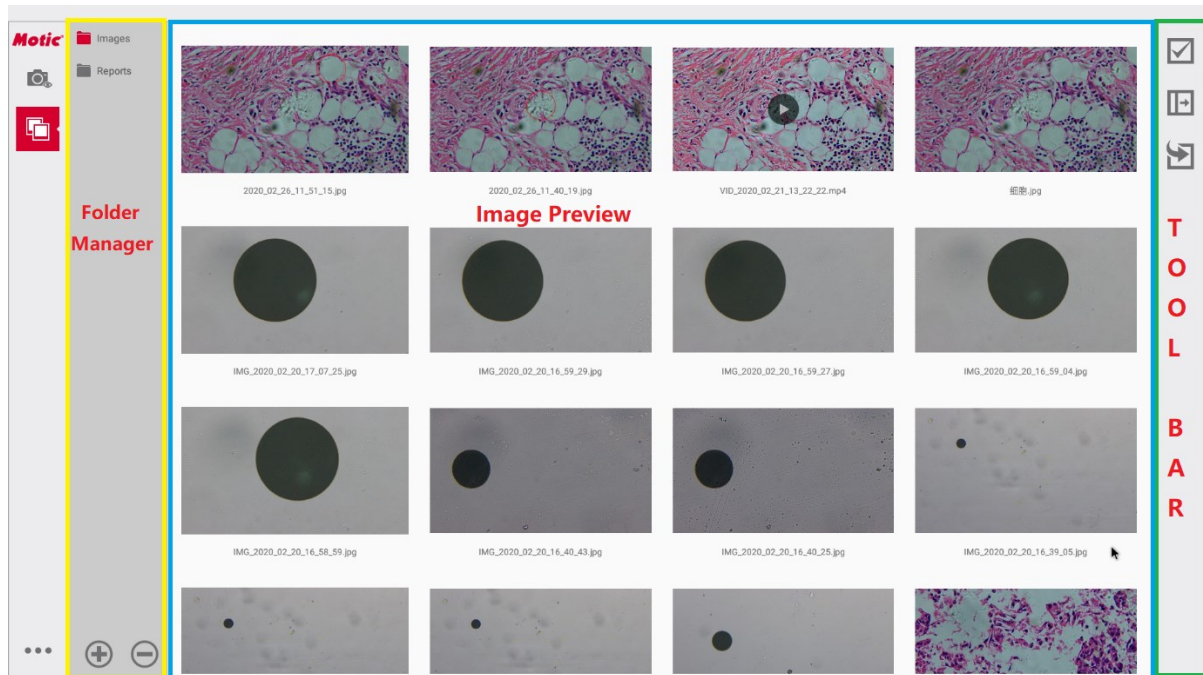



Fig 3-1 **Album interface**



① **Album Preview window**: In **Album** Preview window, you can directly preview the selected image thumbnails in the selected folder.

② **Tool Bar**:  **Select**,  **Window adjustment**,  **Import**

 **Select**: On/off Select function.

 **Window adjustment**: Show/hide Folder Manager.

 **Import**: Import a selected image into the current folder.

③ **Folder Manager**:  Create a new folder or  delete a folder.







3.1 Album Preview

Album Preview: Preview the saved image thumbnails in current folder via the **Album Preview** window.

In the **folder manager** window, click to select the current folder(e.g.: Images), click on the desired image in the **Album Preview** window, Static Image Editor interface (Fig 1-3) pops up, please refer to [4. Static Image Editor](#) for more detail operation.

3.2 Tool Bar

 **Select:** On/Off Select function.

Click  icon, new icons 、、、 are automatically added into Tool Bar shown on the right side of Fig3-2, click  icon again to return to the last interface Fig3-1 (Off Select function).

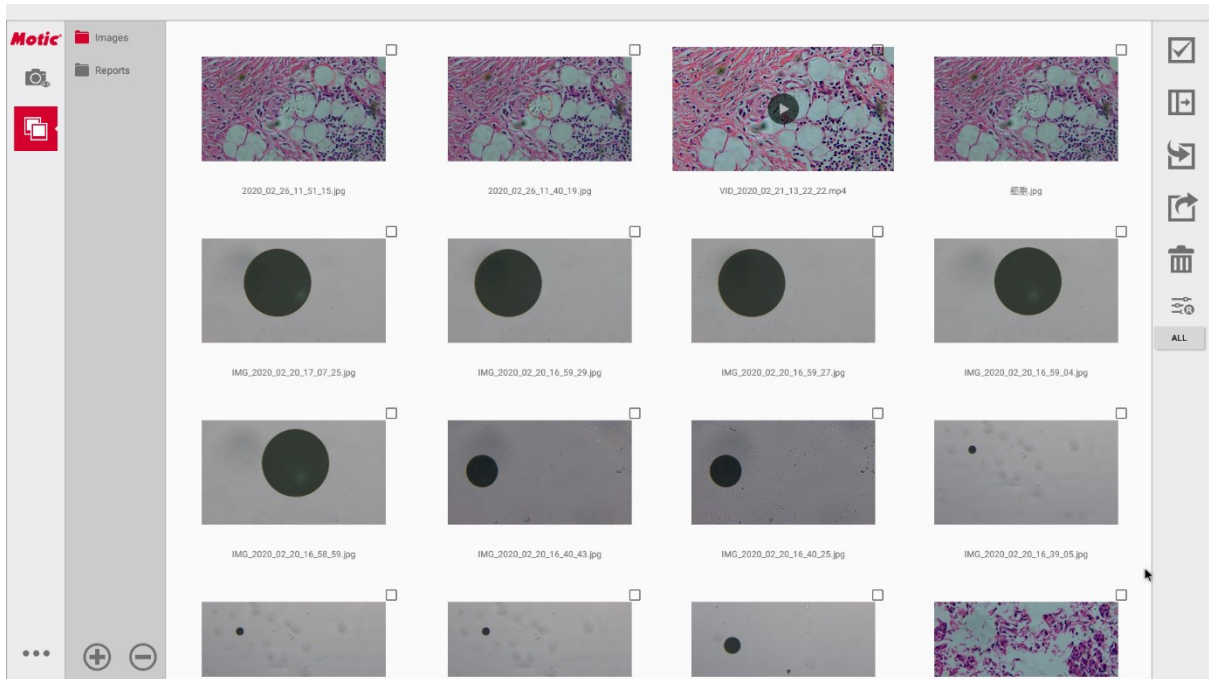



Fig 3-2 Album Preview - Select

 **Export.** Export the selected image to the selected folder in the current folder.

Export steps:

- 1) Click to select the image being exported in the current folder.
- 2) Click  the icon, **File Explorer** interface (Fig3-3) pops up.
- 3) Click to select the desired folder as the current folder.
- 4) Click **【OK】** to finish exporting.

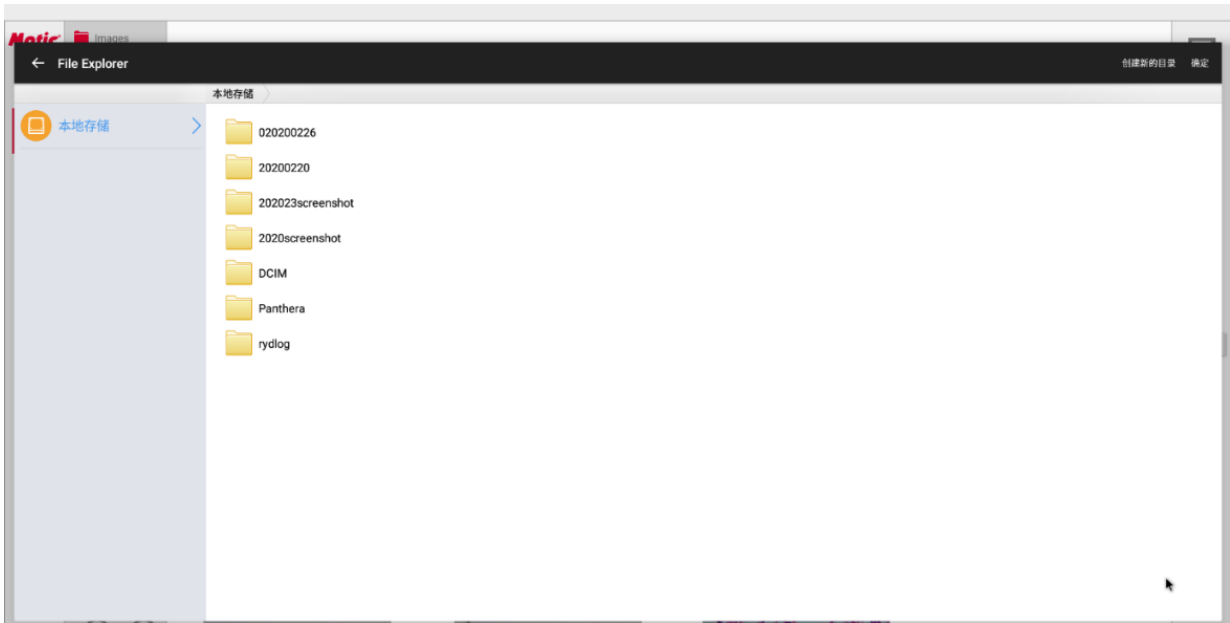




Fig 3-3 File Explorer interface

 **Delete:** Delete the selected image files.

Delete steps:

- 1) Click checkbox located on right-top file to select the files.
- 2) Click  the icon, the dialog box (Fig3-4) pops up as follow.
- 3) Click **【OK】**, the selected image files are Deleted.

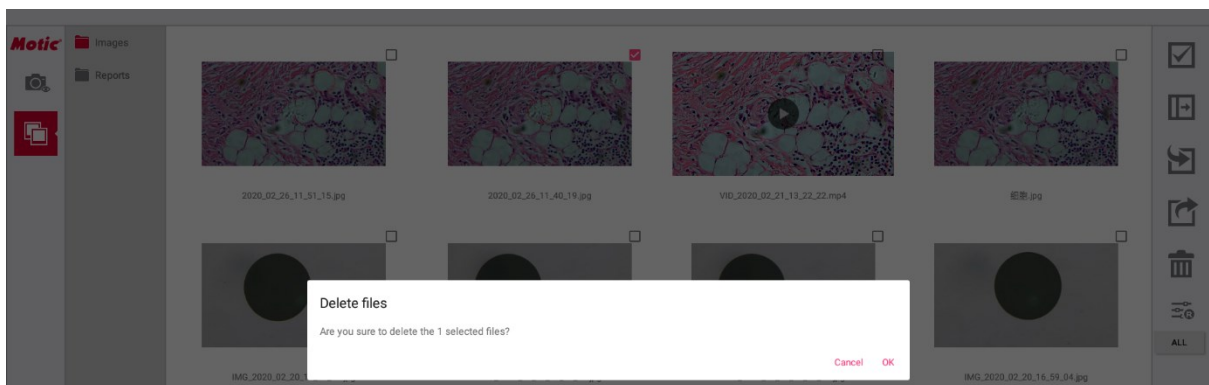



Fig 3-4 Delete dialog box

 **Image recovery:** Apply the selected image properties to the live image.

Image recovery steps:

- 1) Click to select the desired static image.

- 2) Click  the icon, the **Tips** (Fig3-5) pops up as follow..
- 3) Click **【OK】**, the selected image properties will be applied to the live image.

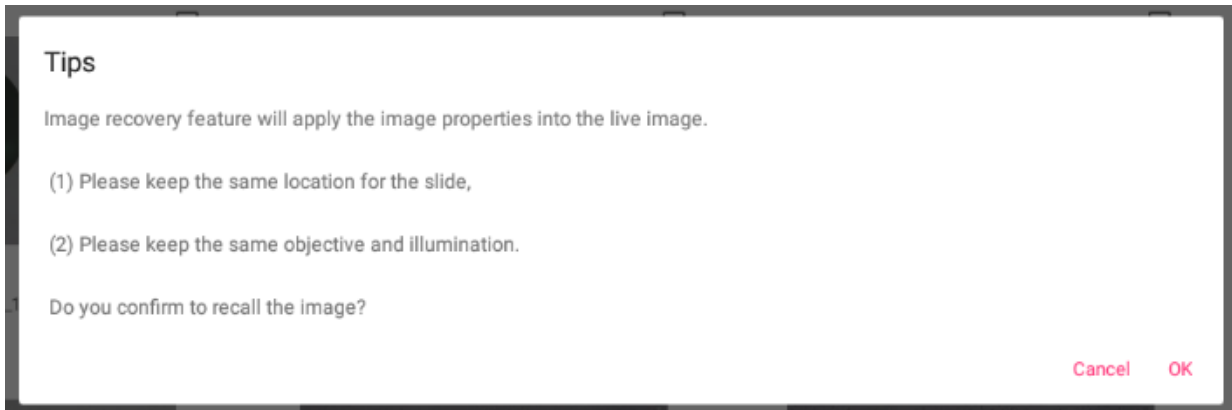


Fig 3-5 *Image recovery Tips*

ALL *All*: Automatically select all image files in current folder at once.

Click **ALL** button, all image files are automatically selected.

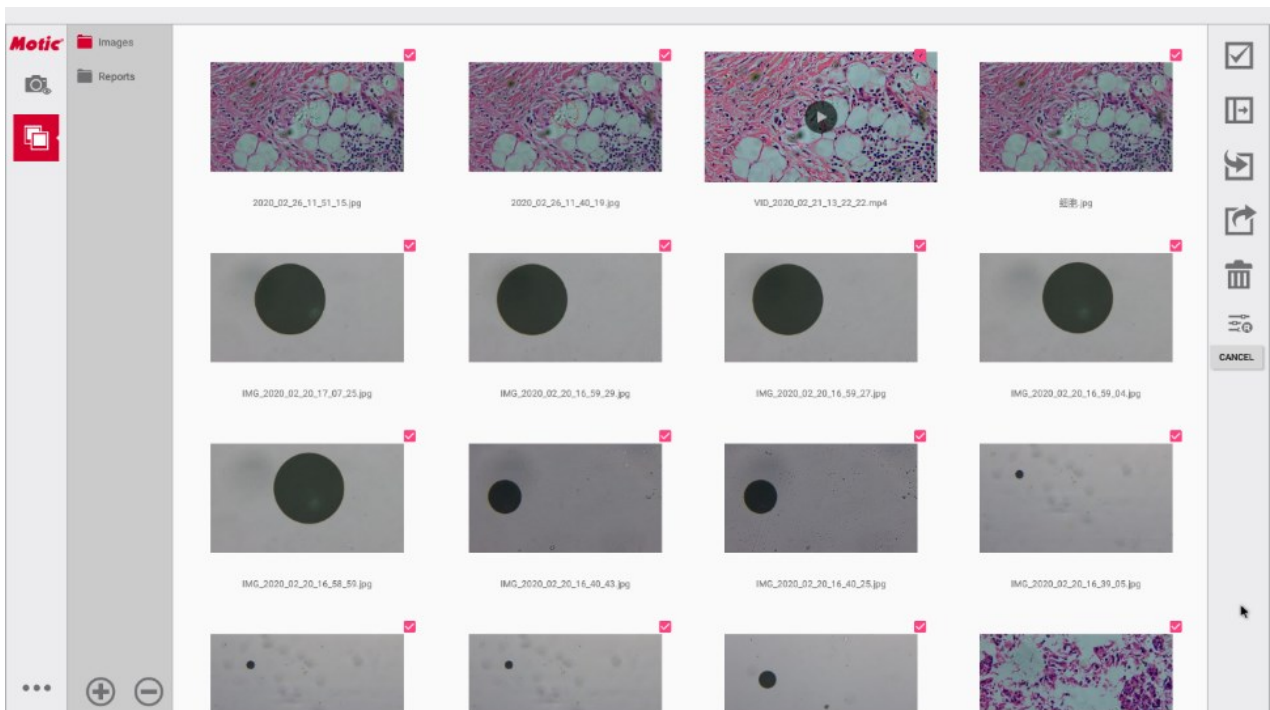


Fig 3-6 Select All interfaces

 **Window adjustment:** Show/hide Folder Manager.

Status 1: Show Folder Manager as Fig3-7. This is default.

Status 2: Hide Folder Manager as Fig3-8.

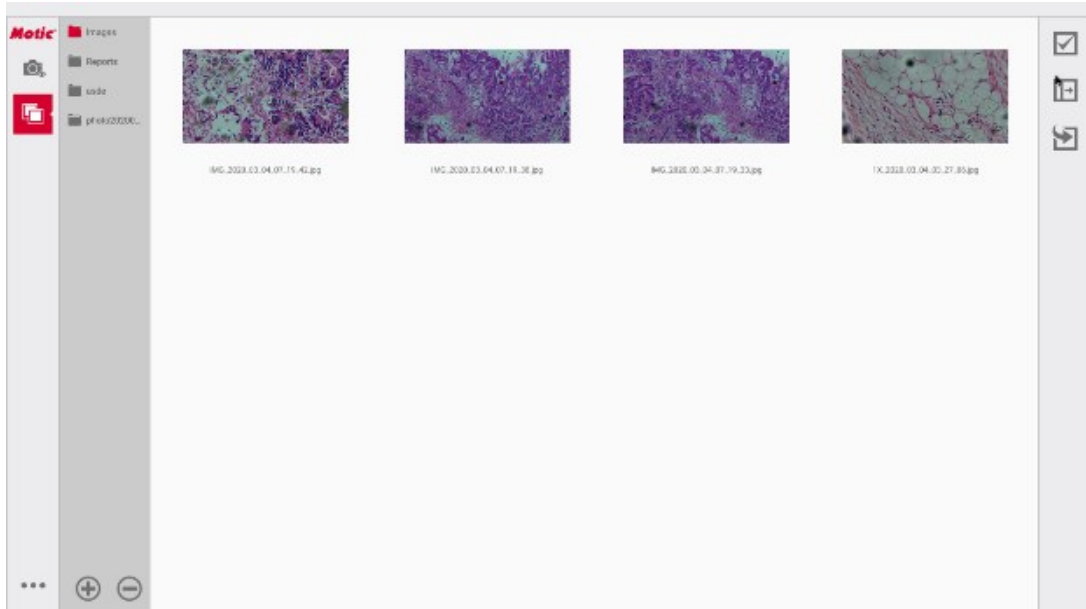


Fig 3-7 Show Folder Manager Window

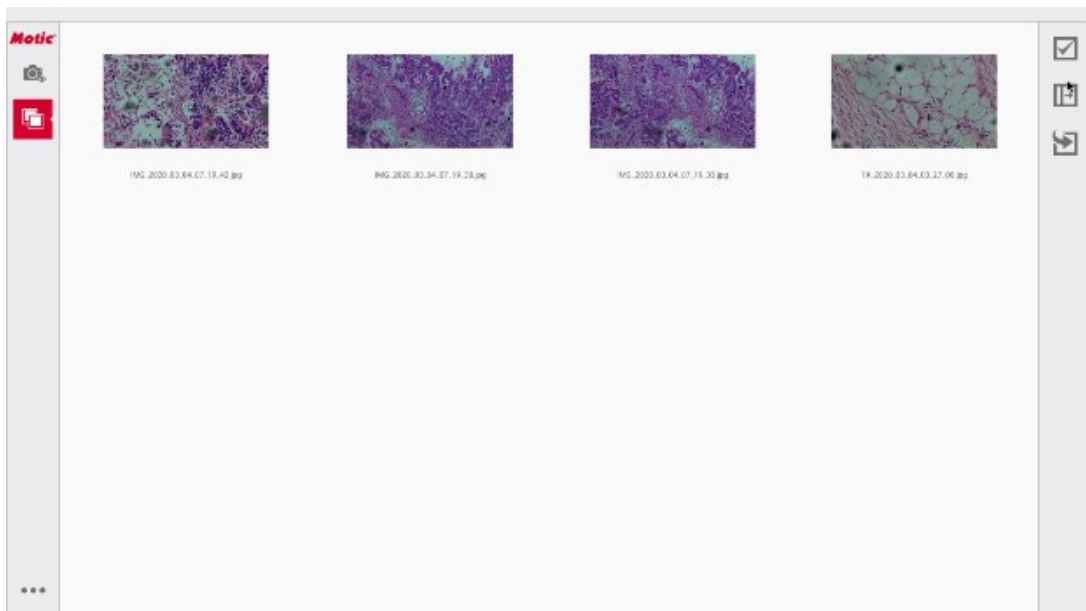




Fig 3-8 Hide Folder Manager Window

 **Import:** Import a selected image file into the current folder.

Import steps:

- 1) Click  the icon, the dialog box (Fig3-9) pops up as follow.
- 2) Click to select the desired folder.
- 3) Click to select an image in the folder, importing is finished.

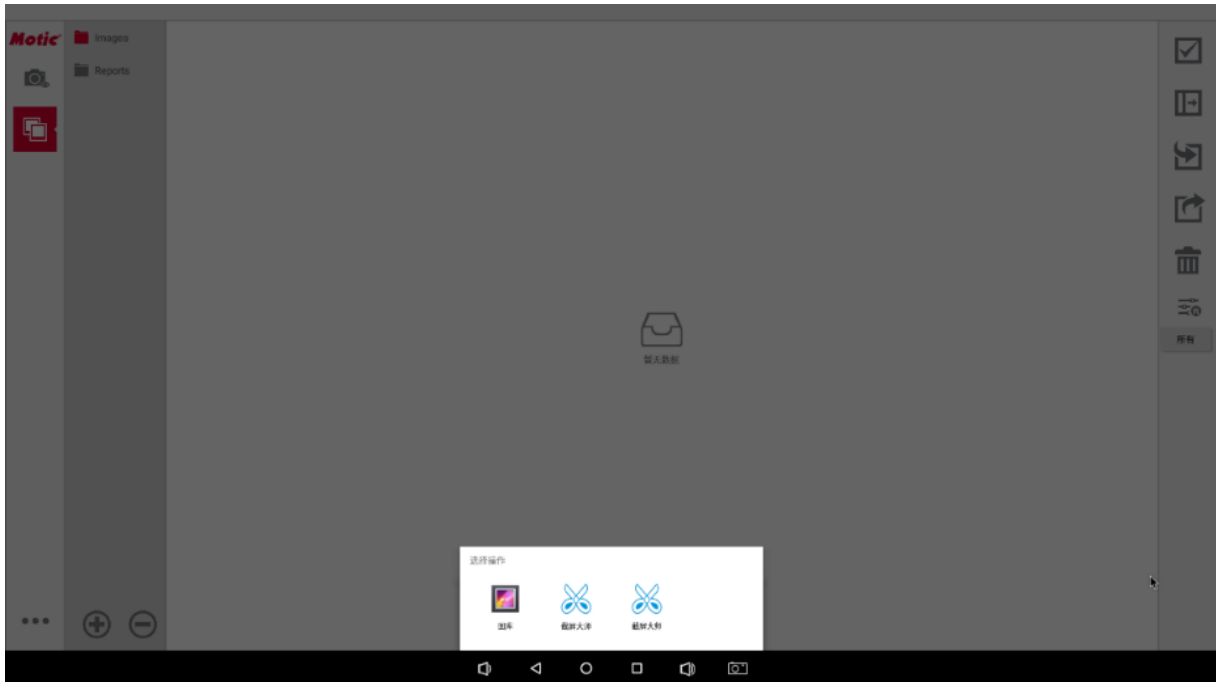




Fig 3-9 Import Interface

3.3 Folder Manager

 **New Folder:** Create a new folder and it is added to the Folder Manager list.

Create New Folder steps

- 1) Click  button, **File Explorer** File Explorer (Fig3-10) pops up.
- 2) Click **CREATE NEW DIRECTORY** button, according to the prompt, enter a new directory name.
- 3) Click **OK** icon. The new directory is shown in the list of File Explorer.

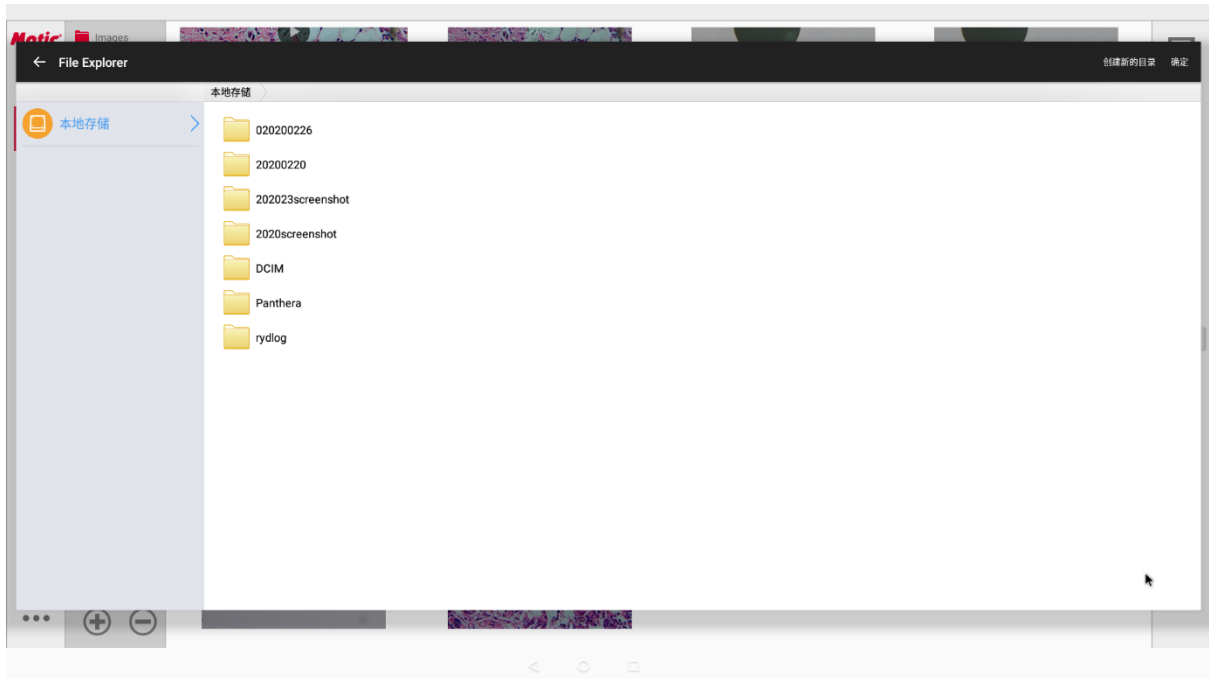




Fig 3-10 File Explorer


 **Delete folder:** Delete the selected folder.

Delete folder steps:

- 1) Click to select the folder being deleted.
- 2) Click  button, the follow dialog box pops up.
- 3) Click  icon, the selected folder is deleted from the folder manager

list and the memory.

Note:

The built-in folder (Image, Report) cannot be deleted by the button .

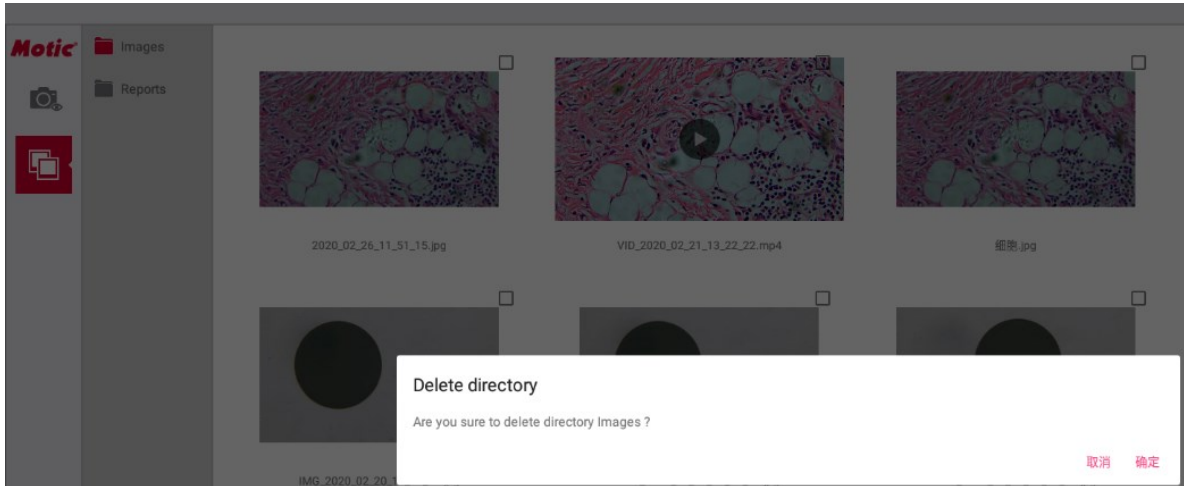


Fig 3-11 Delete folder

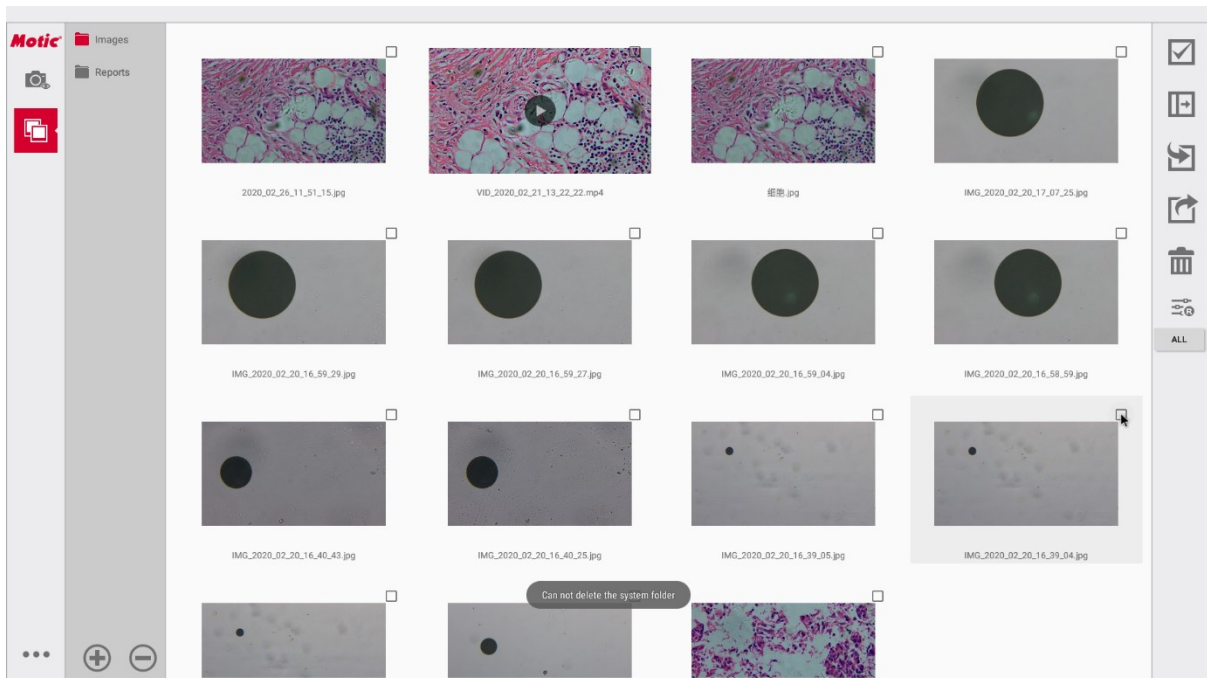


Fig 3-12 Deleted-Noted

4 Static Image Editor

In **Album Preview** window (Fig2-11) or Album Preview interface (Fig3-1), click the current folder to select it, click the saved image thumbnail in the folder, and Static Image Editor shown in Fig4-1 pops up.

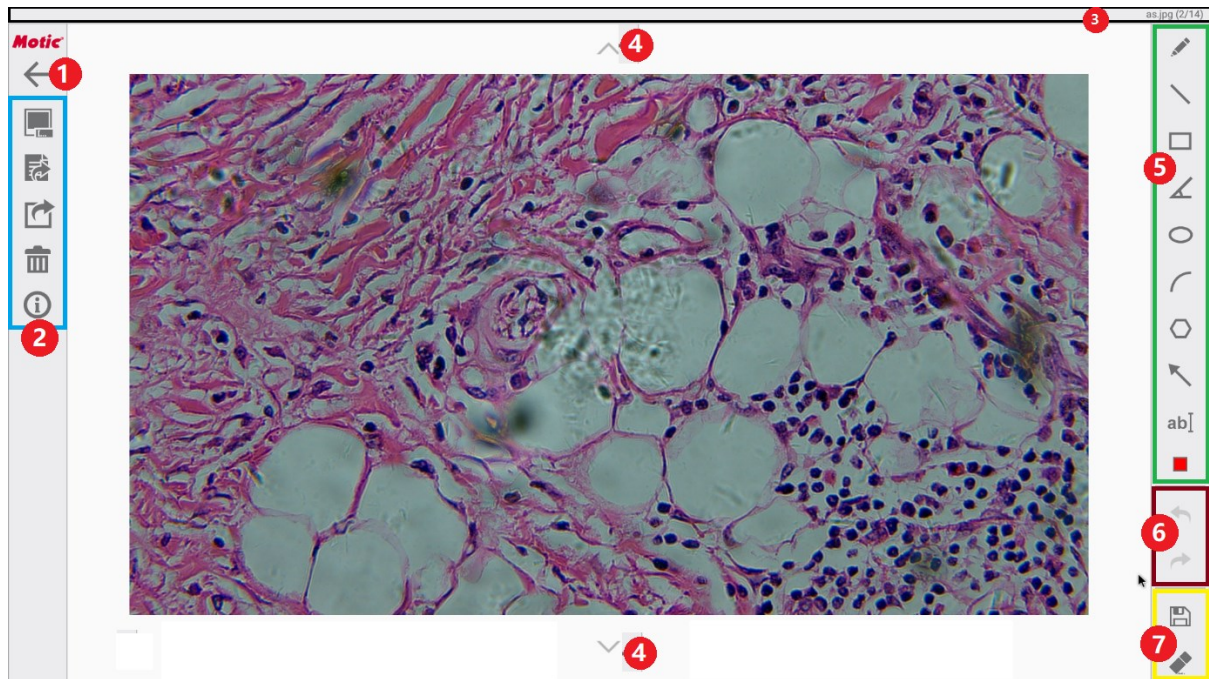











Fig 4-1 Static Image Editor


- ①  **Back:** Go back to  **Live Camera view**(main interface Fig2-1).
- ② **File Toolbar:** Quickly perform **save as, generate reports, export, delete, and show image information** operations for current images.
- ③ **Status bar:** Show the current editing filename, format, the current page and total number of files
- ④ **Movement:** Click the icon (4,4) to change the current image by moving up or down images, so you can find the desired image one by one.
- ⑤ **Measurement Tool:** Consistent with [2.2 Measurement Tool](#).
- ⑥  **Undo**,  **Redo**

 **Undo:** Cancel the recent execution.

 **Redo:** re-execute the recent "Undo" executions.


7  **Save,**  **eraser**


 **Save:** Save the current image being edited.

 **Erase:** Delete the selected objects of Drawing/Measurement.

4.1 File Toolbar

4.1.1 Save as

 **Save As:** Save the current image being edited as a new filename in current album folder.

Click  icon, a new dialog appears as follow, "Please Input Text" as a new filename, and click " **OK** "to confirm the operation, as the result, the current image is saved in current album folder.

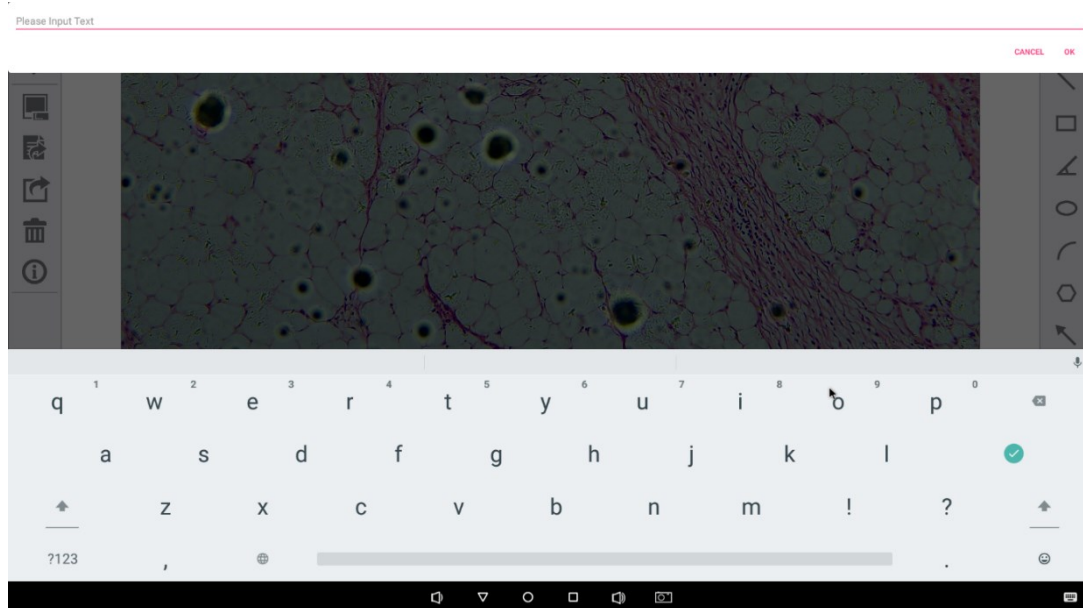




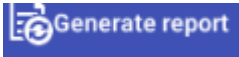
Fig 4-2 Save As

4.1.2 Report

 **Report:** Generate report by the Default report template and save it as JPG in the default folder "Report".

Default report template: MOTIC report, neutral report, custom report.

Generate the report step:

- 1) Click  the button, the report template window (Fig4-2) pops up.
- 2) Please choose a report template.
- 3) Edit and fill in the report, the image being edited will be added into the report automatically.
- 4) Click  icon, automatically generate report and save it as JPG in the default folder "Report".

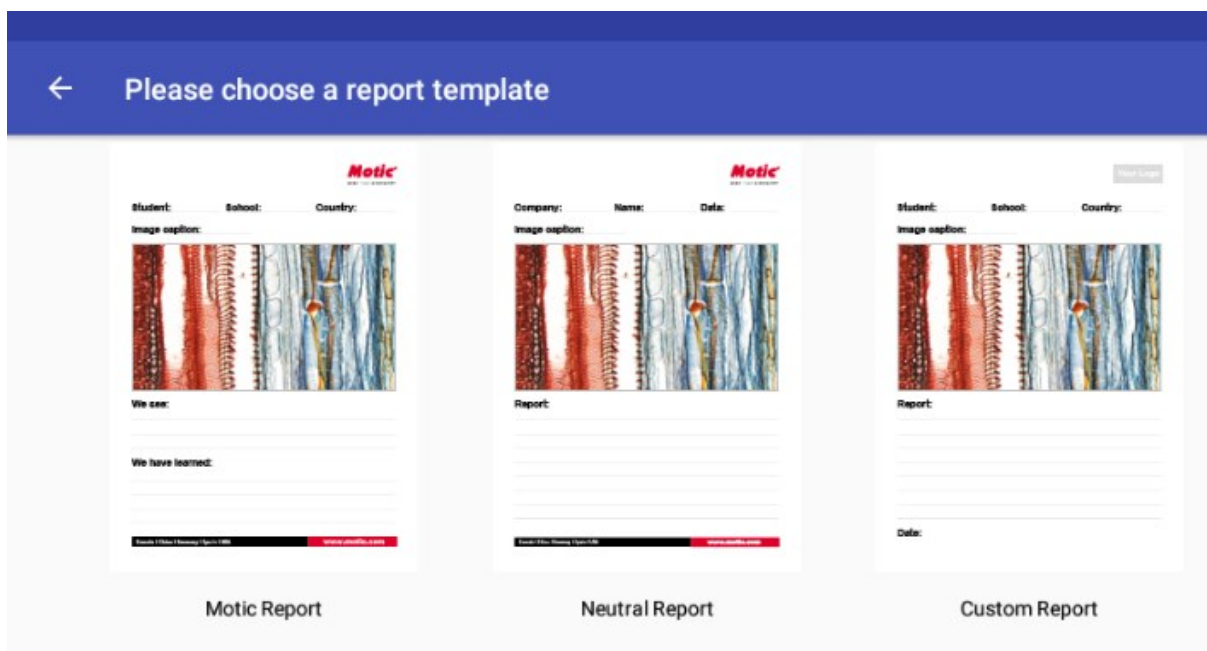
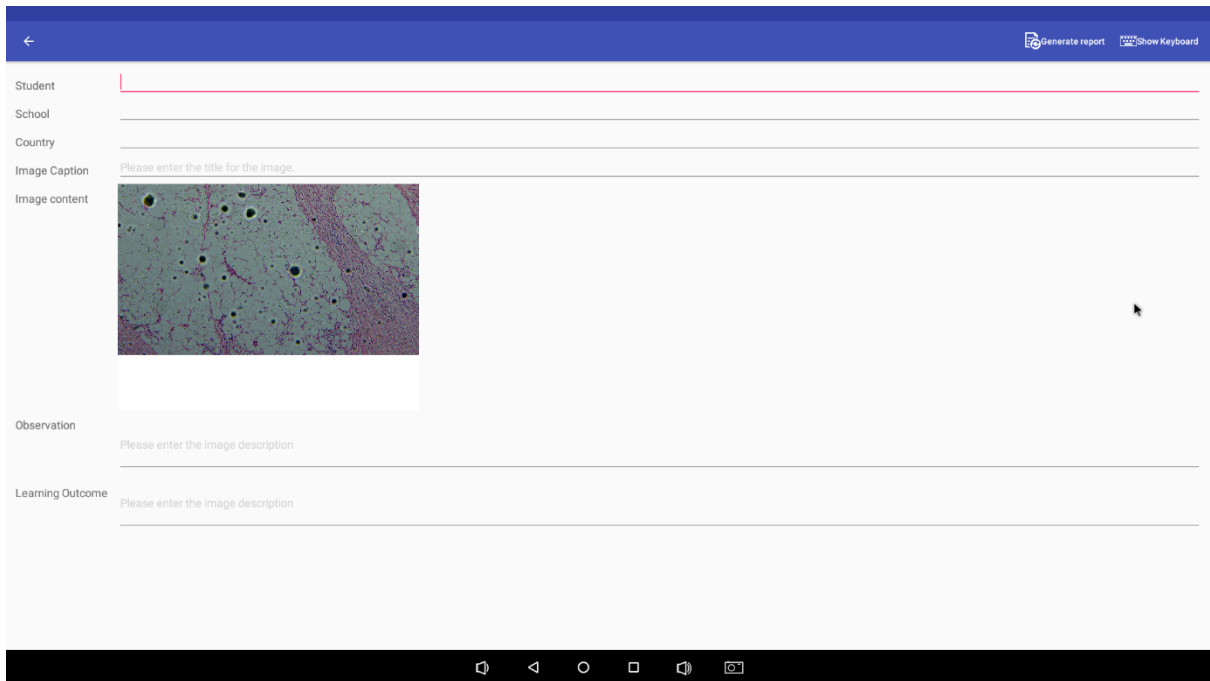





Fig 4-3 Report Template Window



Motic Report

 /  : The icon is to show /hide keyboard.

 : Show Keyboard to enter text via keyboard.

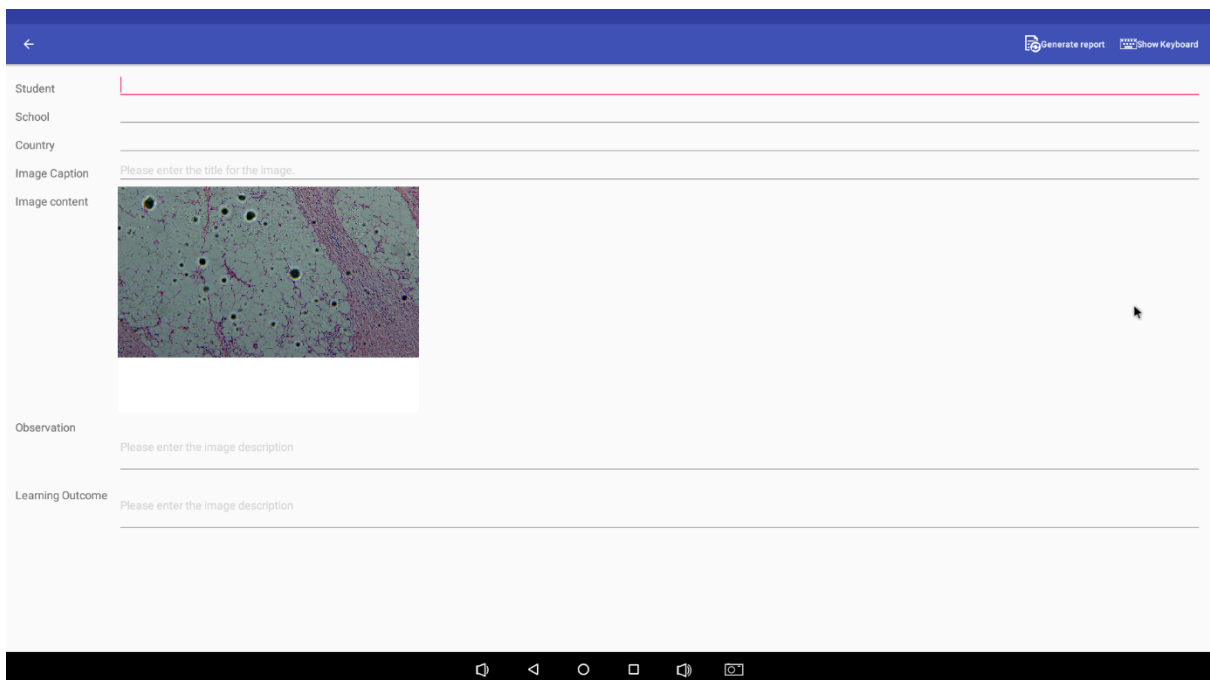



Fig 4-4 Hide Keyboard interface

4.1.3 Export




Export: Export the image being edited to the selected folder.

1. Export the image to the selected folder steps:

- 1) Click  icon, **File Explorer** pops up.
- 2) Click to select the desired folder.
- 3) Click **【OK】** icon, export the image being edited to the selected folder.

2. Export the image to a new folder step:

- 1) Click  icon, **File Explorer** pops up.
- 2) How to create New folder, please refer to [3.3 Folder Manager](#)
- 3) Click the new folder name to open the new folder.
- 4) Click **【确定】** icon, export the image being edited to the new folder.

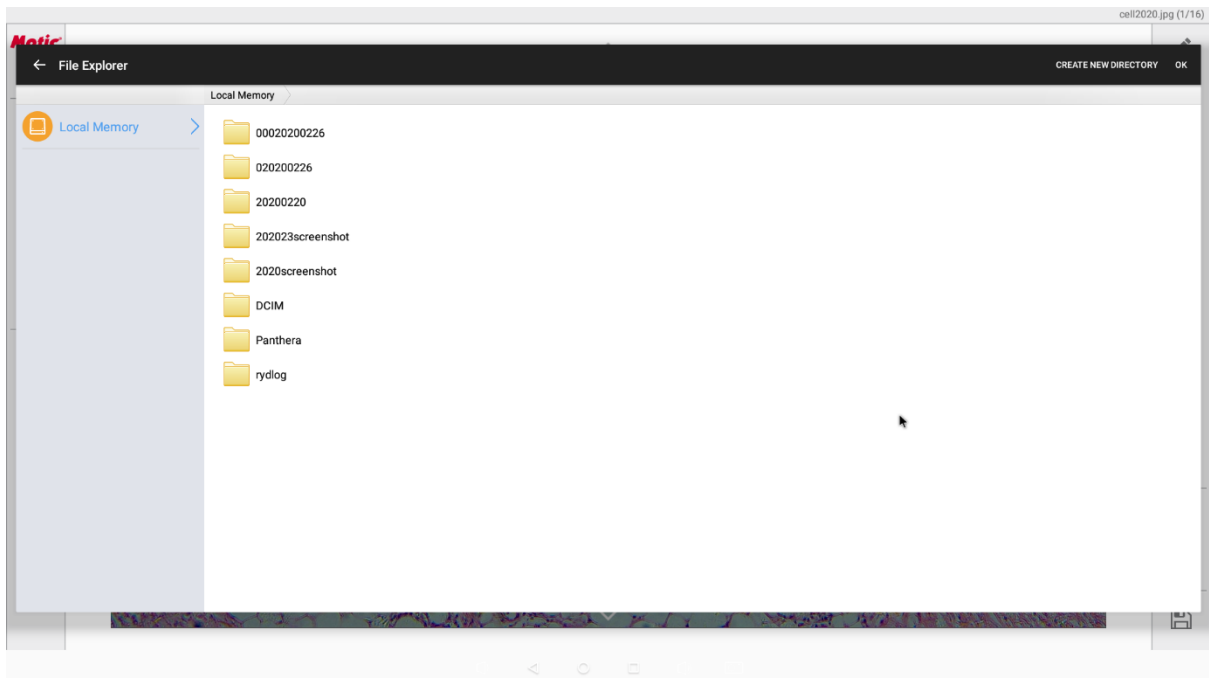
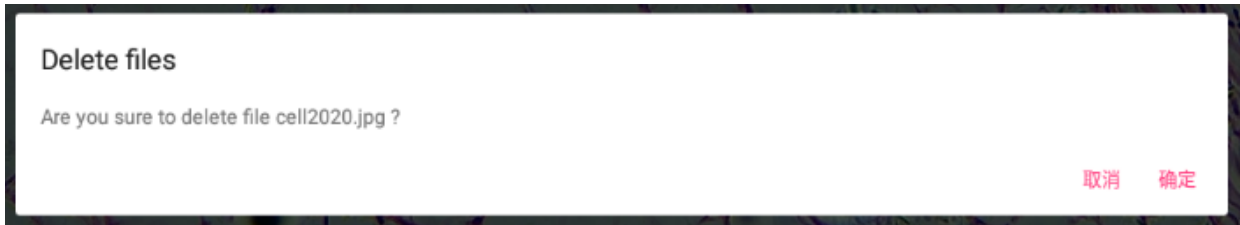


Fig 4-5 File Explorer interface

4.1.4 Delete



Delete: Delete the current image file being edited.



4.1.5 Image Details



Image Details: Show current image Title, Calibration Value, Objective lens multiple, Light Source, size, modified time, Album, etc., as follow.

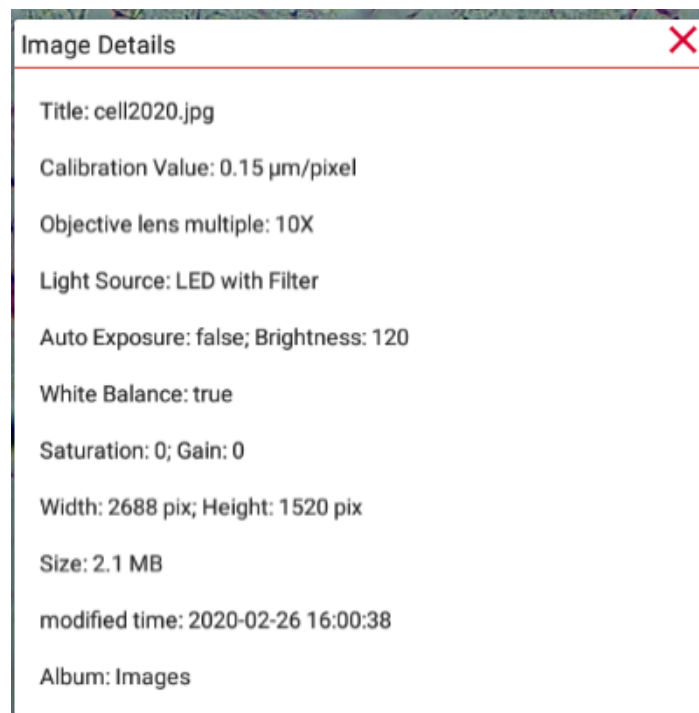



Fig 4-6 Image Details

5 Image Settings

In **Live Camera view** (Fig5-1), click  **Image Settings** button to pop up Basic interface shown as Fig5-2.

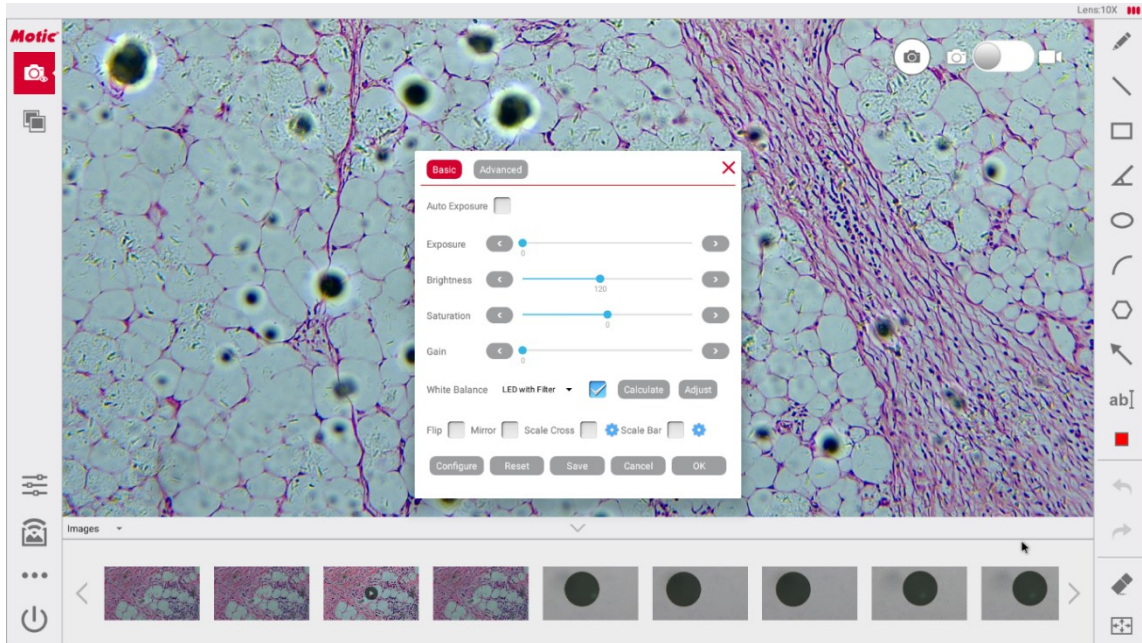


Fig 5-1 Main Interface - **Image Settings** Button

5.1 Basic

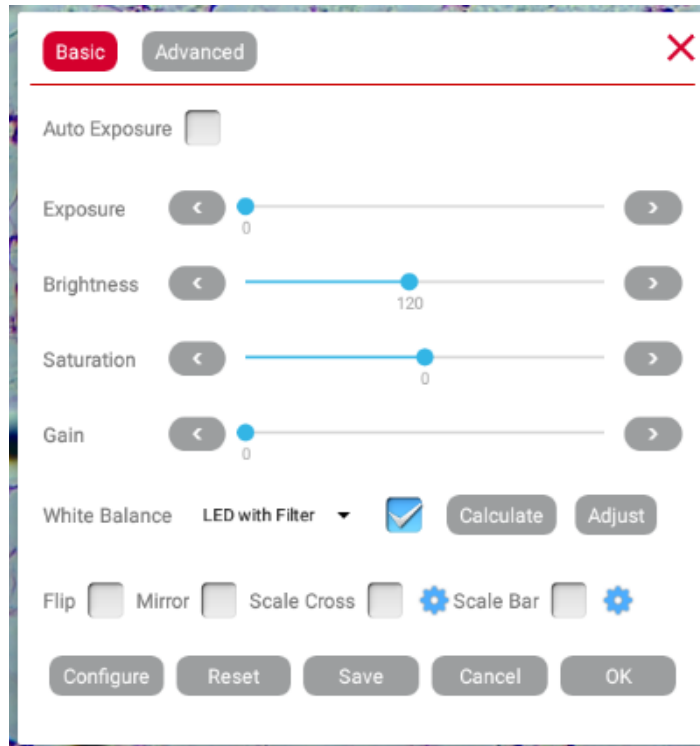


Fig 5-2 Basic Interface

5.1.1 Auto Exposure

Auto Exposure: Automatically adjusts the image optimum brightness according to the current environment.

Click checkbox to select Auto Exposure for automatic exposure processing.

5.1.2 Exposure, Brightness, Saturation, Gain

Exposure, Brightness, Saturation, Gain adjust:

1. Drag the slide bar to manually adjust the parameter value, the number below is the current value.
2. You can also click / (left, right) button to

manually adjust the parameter value, the number below is the current value.

5.1.3 White Balance

White Balance: Adjust the color of the image.

White balance steps:

- 1) Place a white paper or white balance sample on the camera focus.
- 2) Adjust the exposure and brightness to obtain the appropriate screen brightness and radiation intensity.
- 3) Click **Calculate** button to automatically perform white balance.

Built-in illumination: LED with Filter, Halogen, Halogen with Filter

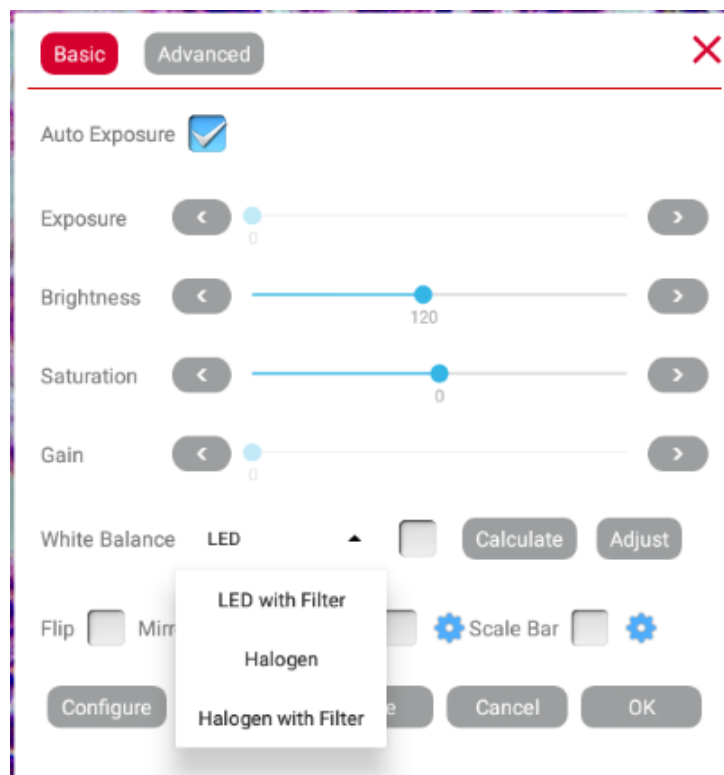


Fig 5-3 illumination list

5.1.4 Adjust

Adjust: Adjust the image color according to the ratio of red, green, and blue.

Adjust steps:

- 1) Click adjust button to pop up the color selection interface
- 2) Click on the Color Picker to choose the desired interface.
- 3) Click reset button.



Fig 5-4 Color Picker Panel

5.1.5 Flip

Flip: Click Flip checkbox to select Flip, the current image is reversed upside down, as shown the figure

5.1.6 Mirror

Mirror: Click Mirror checkbox to select Mirror, the current image is reversed, as shown in the figure

5.1.7 Scale Cross


Scale Cross: Click checkbox to select **Scale Cross** to set the cross line for the image.

 **Scale Cross settings:** Set the cross line color.

5.1.8 Scale Bar

Scale Bar: Click checkbox to select **Scale Bar**, the lower left corner of the main interface is displayed in the lower left corner.

 **Scale Bar Setting:** Set the scale Length, Orientation, Color of Scale Bar.

- 1) Click  button, the **[Scale Bar]** Settings dialog box (Fig 5-5) pop up.
- 2) Click to select the scale Length, Orientation, Color.

The three built-in Orientation: vertical, vertical - level, horizontal

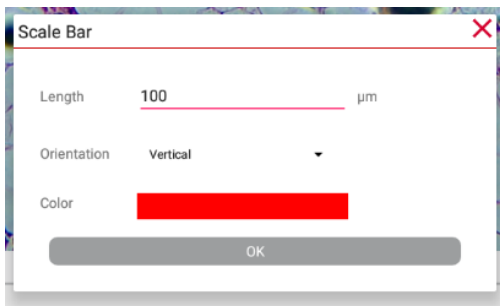


Fig 5-5 Scale Location






Fig 5-6 Scale Color Setting





Fig 5-7 Scale



5.1.9 Configure

Configure: Manually pair the current objective magnification  with the lens position  in software interface one by one.


: The lens position.

: Current working lens position. It is Highlight.




: Objective magnification.

: Current working Objective magnification. Click  to select the current working Objective magnification, it is Highlight.

Configure steps:

1) Click  , pop-up objective type drop-down list, click to select the current the objective type.

Built-in objective lens type(Fig 5-9): Plan UC Ph、 Plan UC MC、 Plan UC Fluor、 Plan UC、 LM Plan、 LM Plan BD、 Plan UC Stain-free, .

2) Click  to select the current working Objective magnification, so that the current working Objective magnification  matches the Current working lens position .

3) Clockwise (or counterclockwise) switch the other microscope lens, and click


on  Objective magnification one by one as step 2).



Fig 5-8 objective type



Fig 5-9 objective matching

Note:

After Configure is completed, the system will remember this Configure. When you switch the microscope lens, the system automatically matches Current working Objective magnification with Current working lens position, and automatically displays Objective magnification in status bar.

5.1.10 Reset

Reset: Reset Basic property of the image.

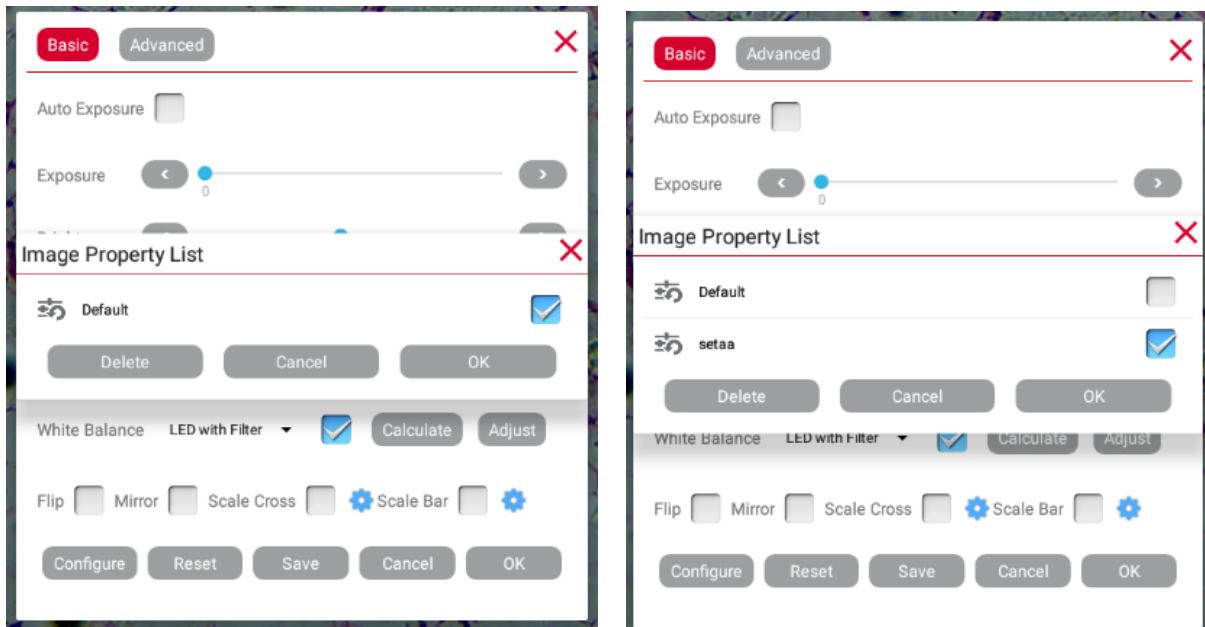


Fig 5-10 Image Properties List

Reset 1: When the default property is the unique image basic property, click **Configure** the button, the system automatically sets the basic properties as the default properties.

Reset 2: When the user has saved the image Basic property as the custom filename, click **Configure** the button, click one of the selected image property list again, and then click one of the buttons **Delete** **Cancel** **OK** in the Image Property List, the system automatically outputs images according to the selection Basic properties.


The buttons **Delete** **Cancel** **OK** function in the Image

Property List is as follows:

Delete: Delete the selected image basic property filename in the Image Properties List.

Cancel: Cancel the selection in the Image Property List and exit the current setting panel.

Determine: Determine the selection in the Image Property List and exit the current setting panel.

Note: The system default image Basic property (Default) cannot be deleted by the button  .

5.1.11 Save



Save: Save the current settings with a new custom filename.

5.1.12 Cancel



Cancel: Close the dialog box without applying the current settings.

5.1.13 OK



OK: Apply the current settings and close the dialog box.

5.2 Advanced

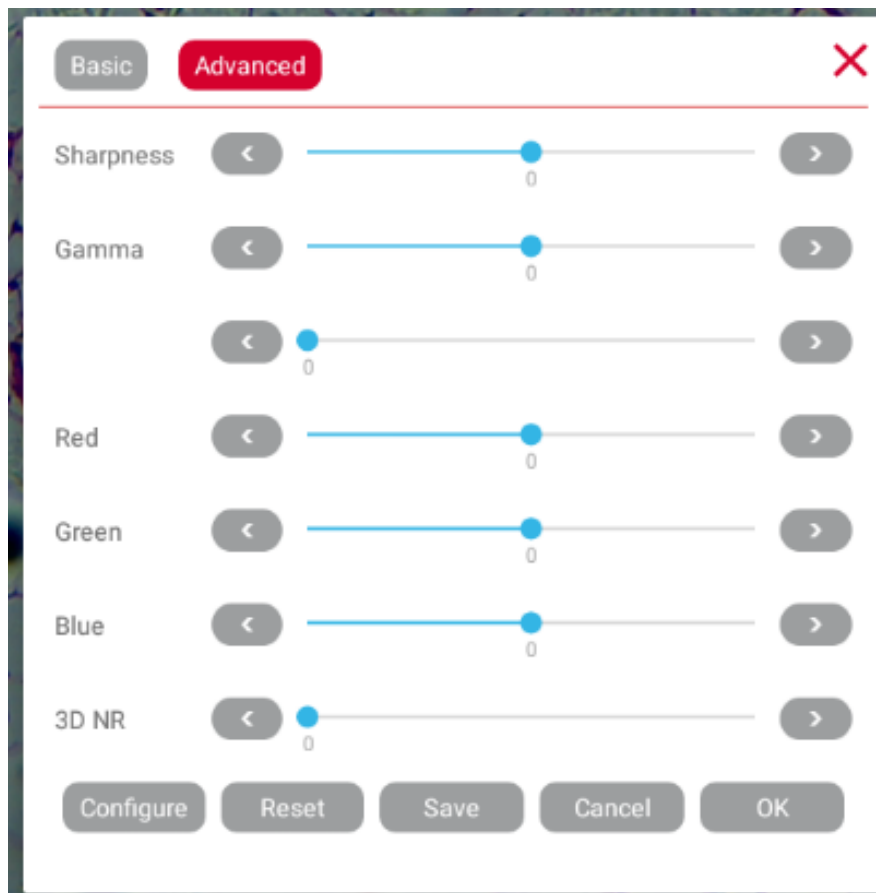





Fig 5-11 Advanced Properties Interface

Drag the slider (or click  left,  right button) to manually adjust the parameter value, and the number below the slider is the current value.

6 Motichub

In **Live Camera view** (Fig6-1), click  **Motichub** button to turn Off / On Motichub, and then Enable/Disable connectivity.

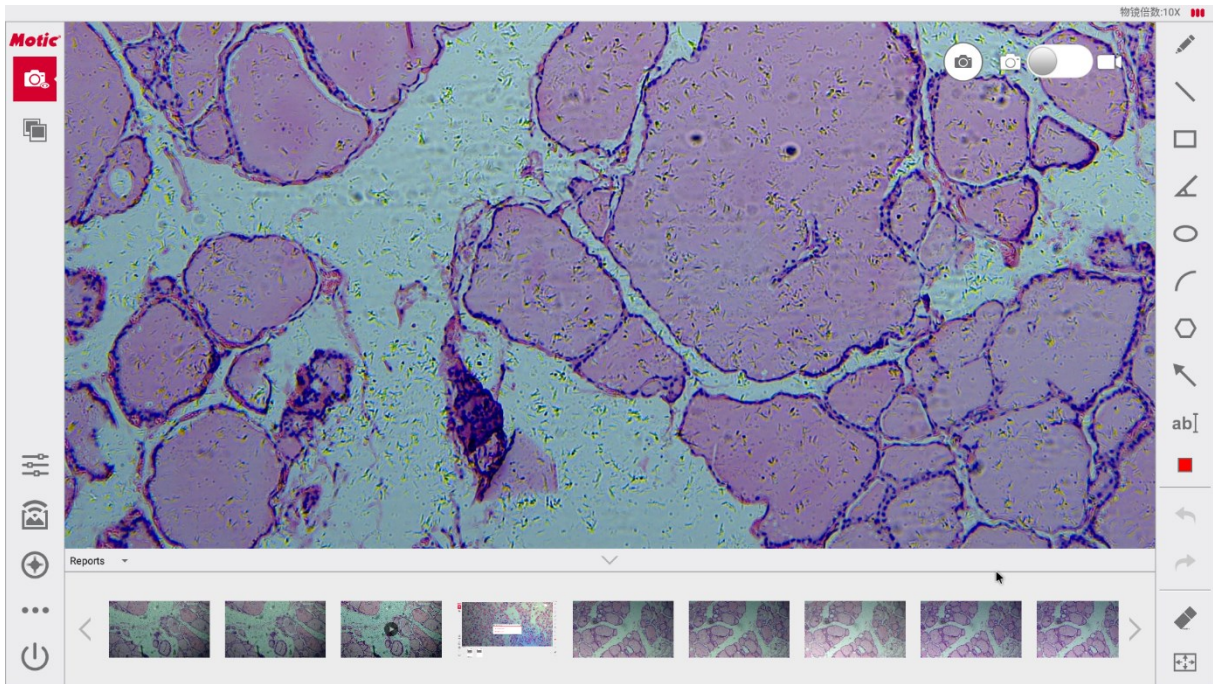



Fig 6-1 Main Interface - **Motichub** button

 **Motichub**: This button is to turn On/Off Motichub, and Enable/Disable connectivity.

Motichub Off : This is default, Wi-Fi is not available, Disable connectivity.

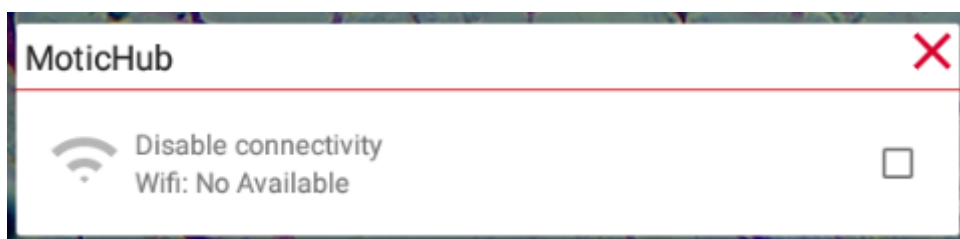


Fig 6-2 **Motichub Off**

Motichub On : Click checkbox to check it, Wi-Fi is available, Enable

connectivity.

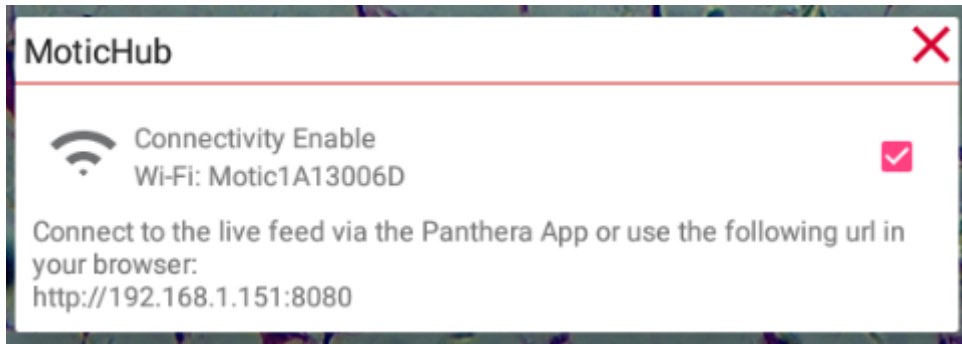


Fig 6-3 Motichub On

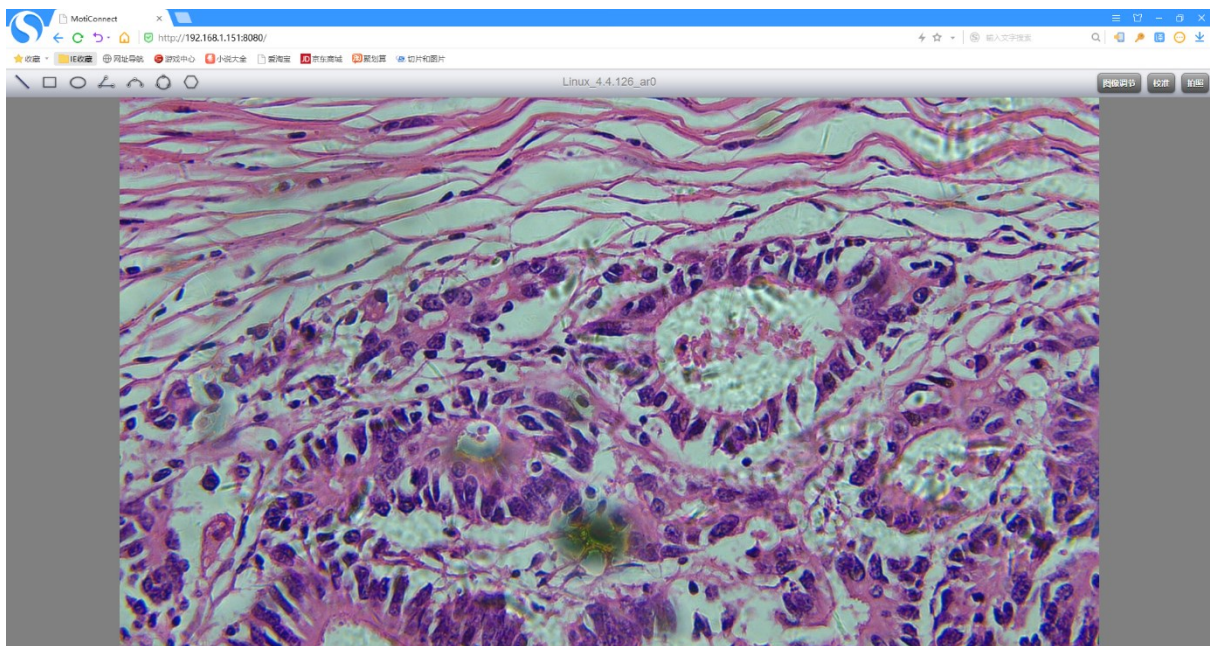


Fig 6-4 live image in browser

7 System Setting

In **Live Camera view** (Fig7-1), click **System Setting** button, **System Setting** interface (Fig 7-2) pops up.

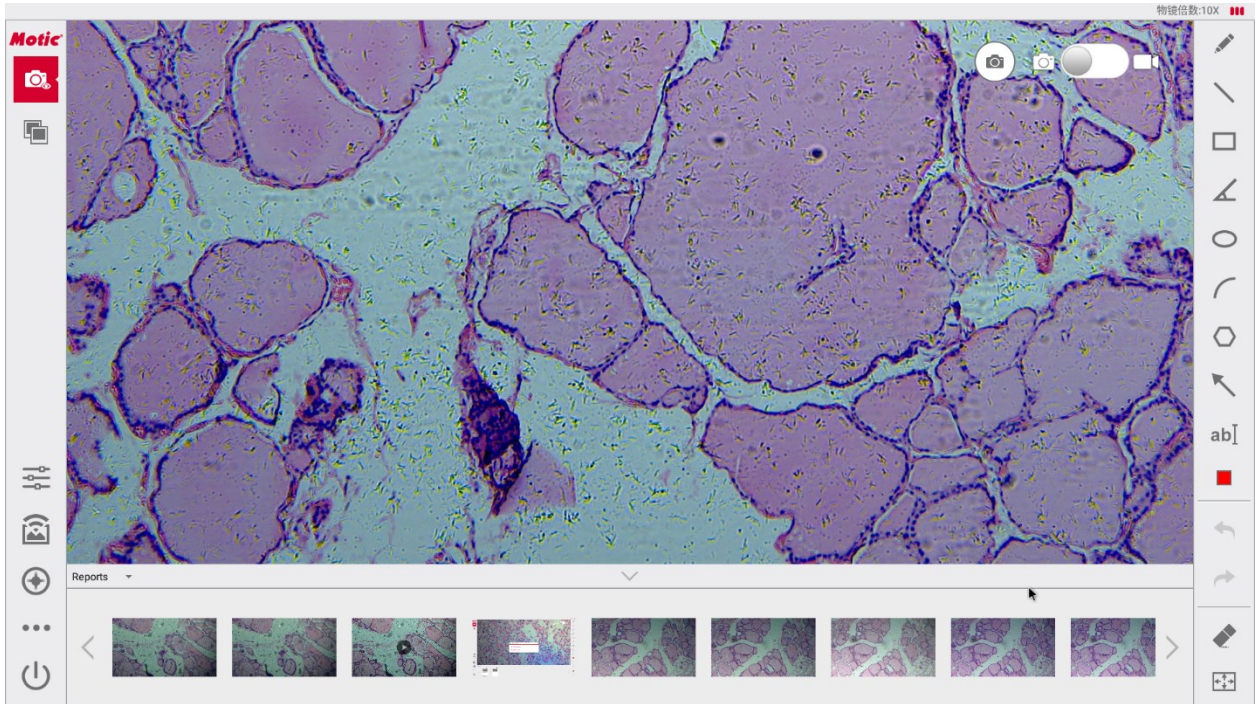
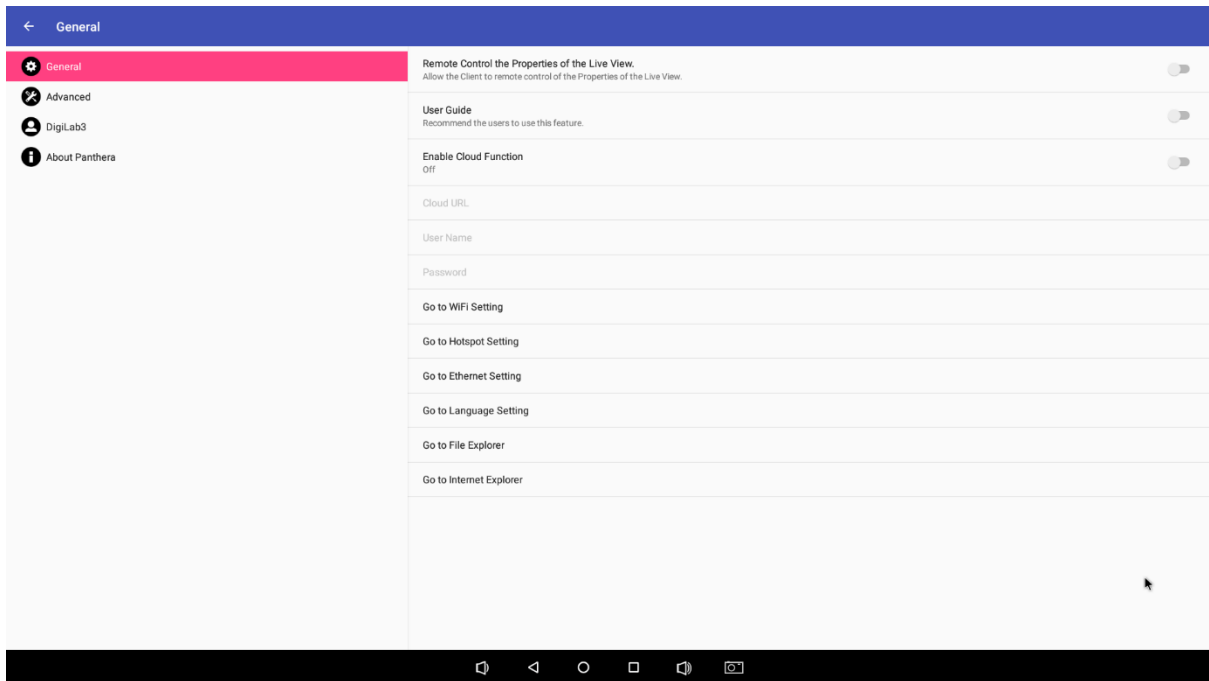




Fig 7-1 Live Camera view - System Setting button

7.1 General

Fig 7-2 **System Setting** -General



7.1.1 Remote Control the Properties of the Live View



Remote Control the Properties of the Live View: Switch on/off Remote Control the Properties of the Live View.

Swipe right/left ( on,  off) to switch on/off Remote Control.

7.1.2 User Guide

User Guide: hide/show User Guide on the screen.

Swipe right/left ( on,  off) to show / hide User Guide on the screen.

- 1) **User Guide**  On: Show User Guide on the screen (Fig7-2).
- 2) **User Guide**  Off: Hide User Guide on the screen, this is the system default.

You can also Click checkbox on the screen to uncheck it , press any key or mouse, and then User Guide disappears.

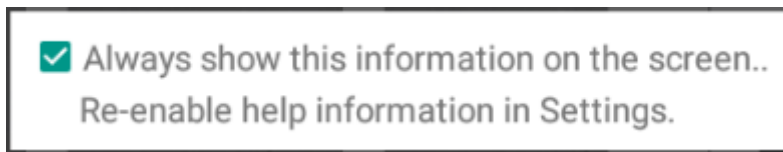
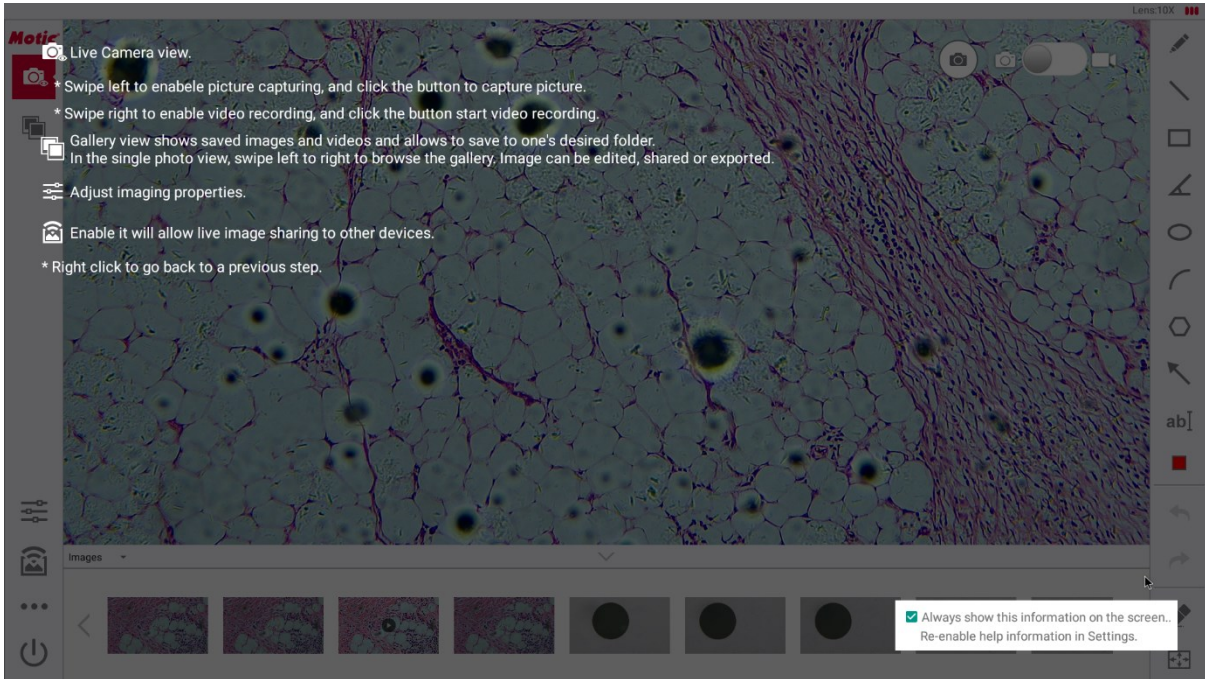


Fig 7-3 User Guide Interface

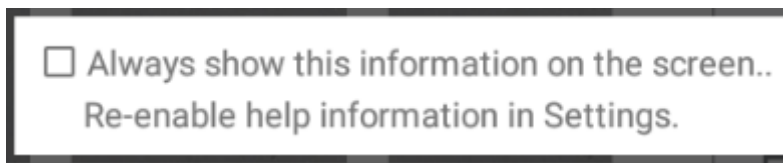





Fig 7-4 Uncheck



Note:



It is recommended that new users show User Guide on the screen.

7.1.3 Cloud

 **Cloud**: Show / Hide  **Cloud** function button on the screen.

Swipe right/left (on , off ) to hide/show  button on Live Camera view.

1) **Cloud**  Off: Hide  button on Live Camera view, this is default.

2) **Cloud**  On: Show  button on Live Camera view (Fig7-4)
the buttons **Cloud URL**, **User Name**, **Password** is highlight and activated. You can select the default or fill the custom settings.

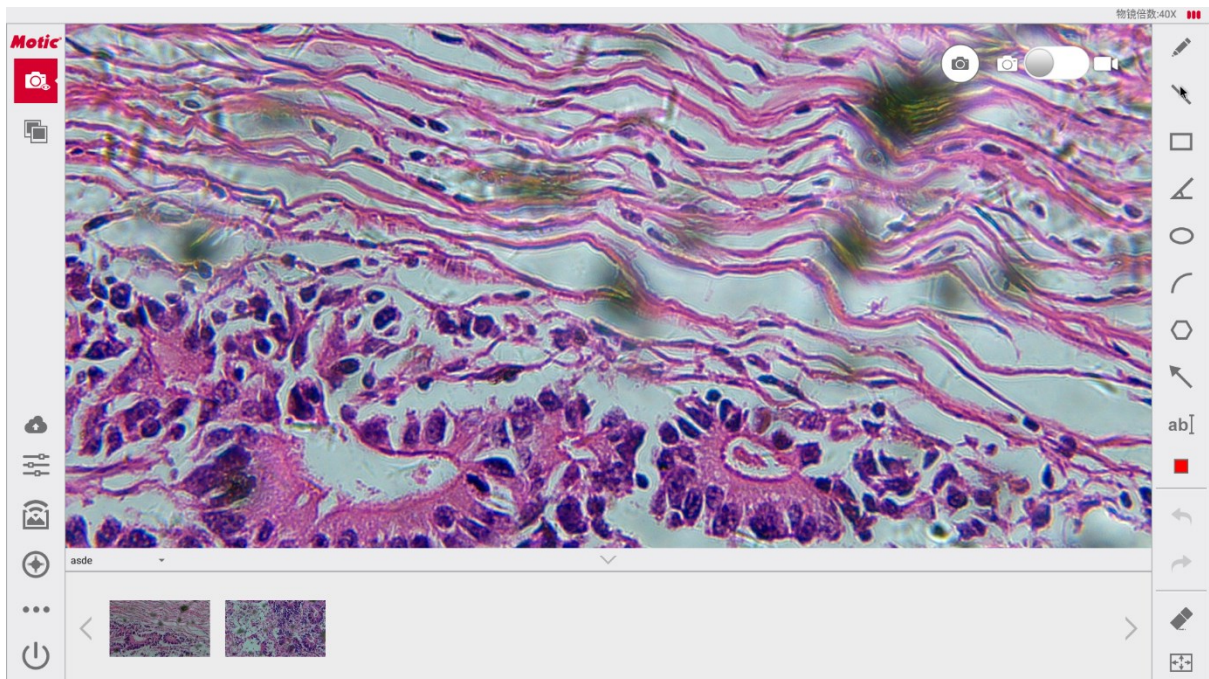


Fig 7-5 Cloud function - on


Enable Cloud Function	
On	
Cloud URL	
User Name	
Password	

Fig 7-6 Cloud setting interface



Fig 7-7 Cloud URL interface



Fig 7-8 Cloud User Name interface








Fig 7-9 Password interface

**Cloud upload step:**

- 1) System settings> General> [7.1.3 Cloud](#), Show  button on Live Camera view.
- 2) On Live Camera view, click  the button, the button changes from  gray to red , upload the current folder content to the **Cloud** server, the screen prompts "upload success / upload failed".

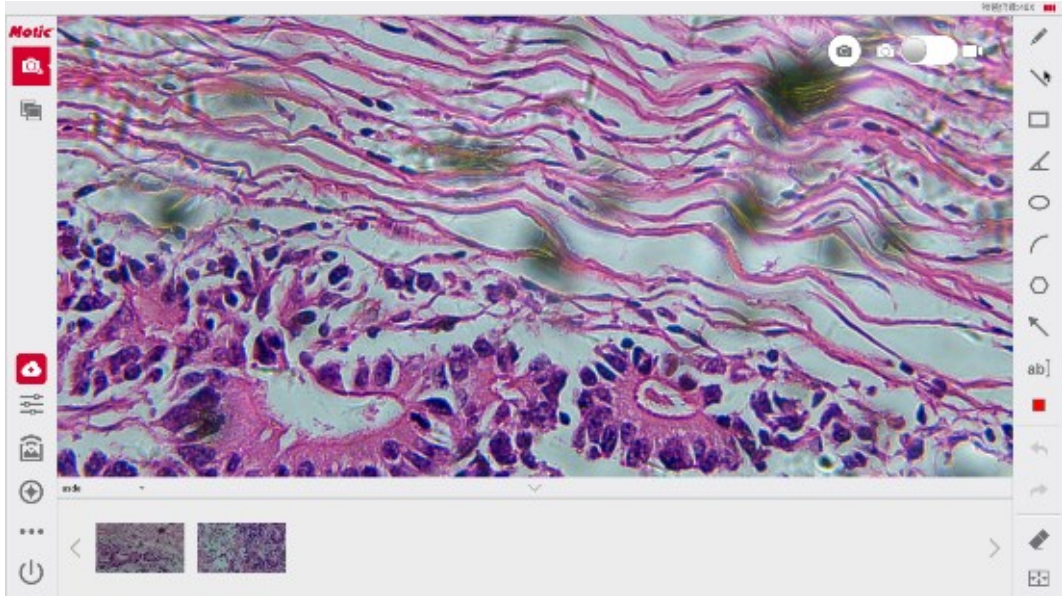


Fig 7-10 Cloud function - upload

7.1.4 Wi-Fi settings

Wi-Fi settings: Set **Wi-Fi** on/off and configurations.

Click **Go to WiFi Setting** bar, pop up **[Wi-Fi]** dialog box (Fig7-11).

1) **Wi-Fi Off**  : **Wi-Fi** is off, this is default.

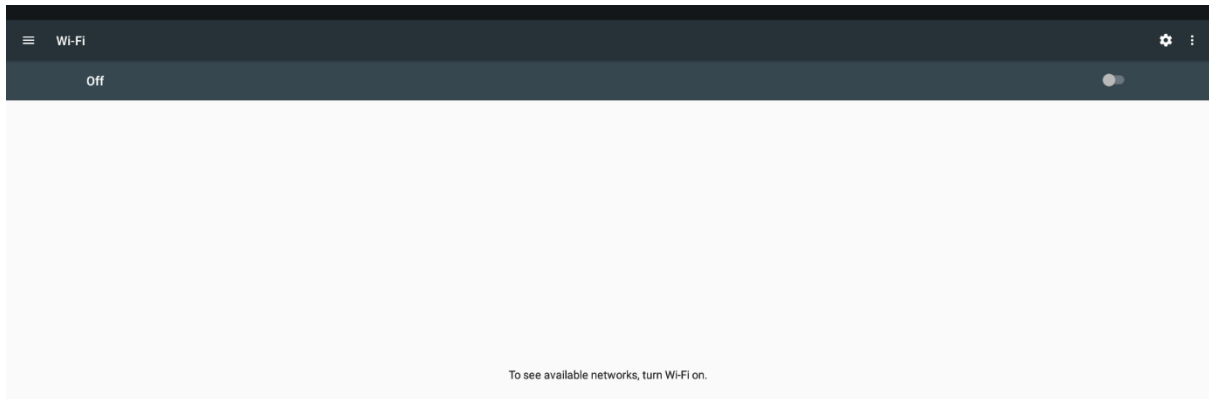



Fig 7-11 **Wi-Fi Off**

2) **Wi-Fi On**  : Drag the slider to the right, the **Wi-Fi** is on, set the **Wi-Fi** as needed and connect it.

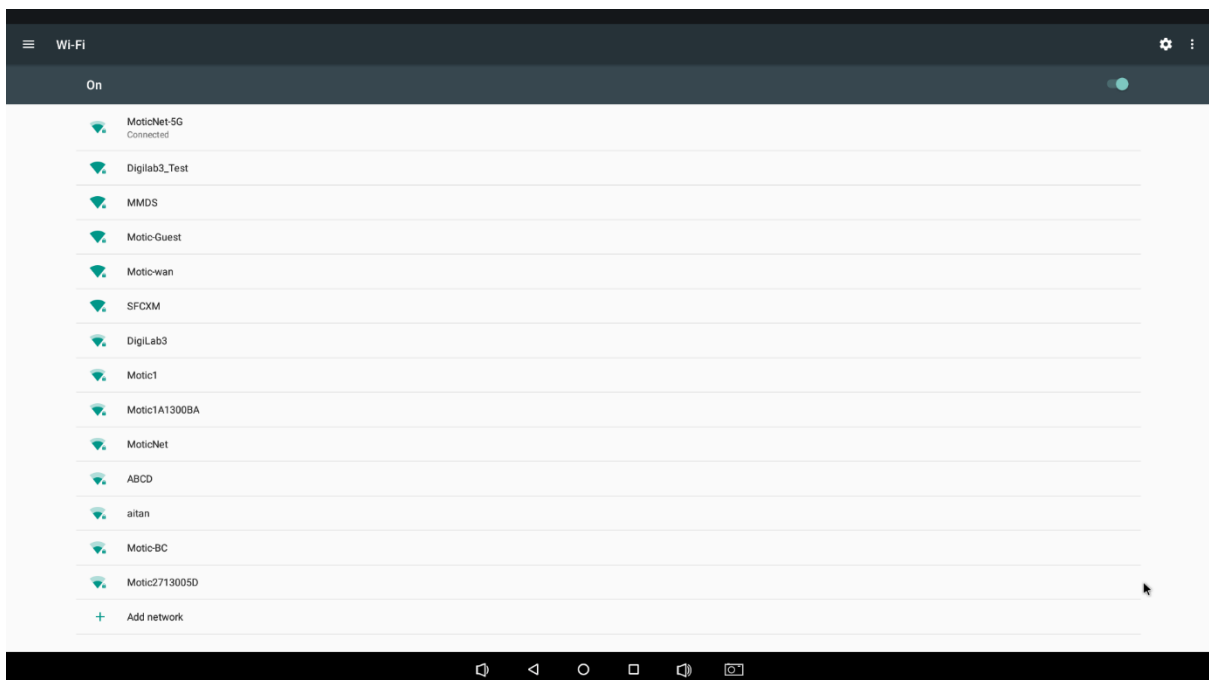


Fig 7-12 **WLAN ON**

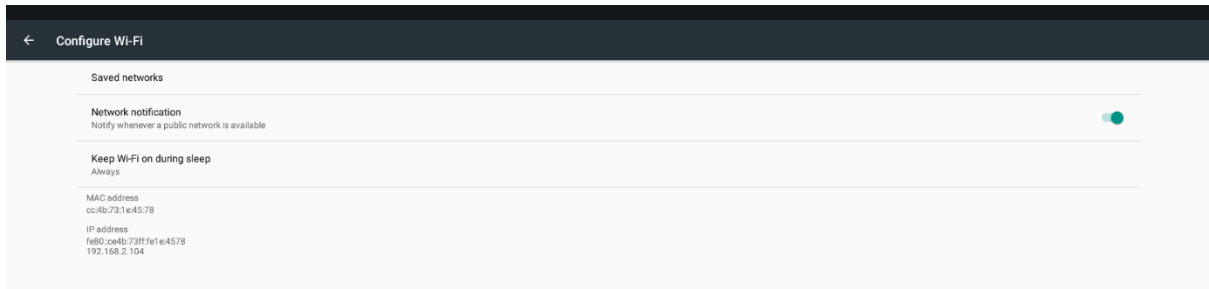


Fig 7-13 Configure Wi-Fi

7.1.5 Hotspot Settings

Hotspot settings: Set network sharing and hotspots.

Click [Go to Hotspot Setting](#) to open the **Hotspot settings**, click it to activate the WLAN hotspot.

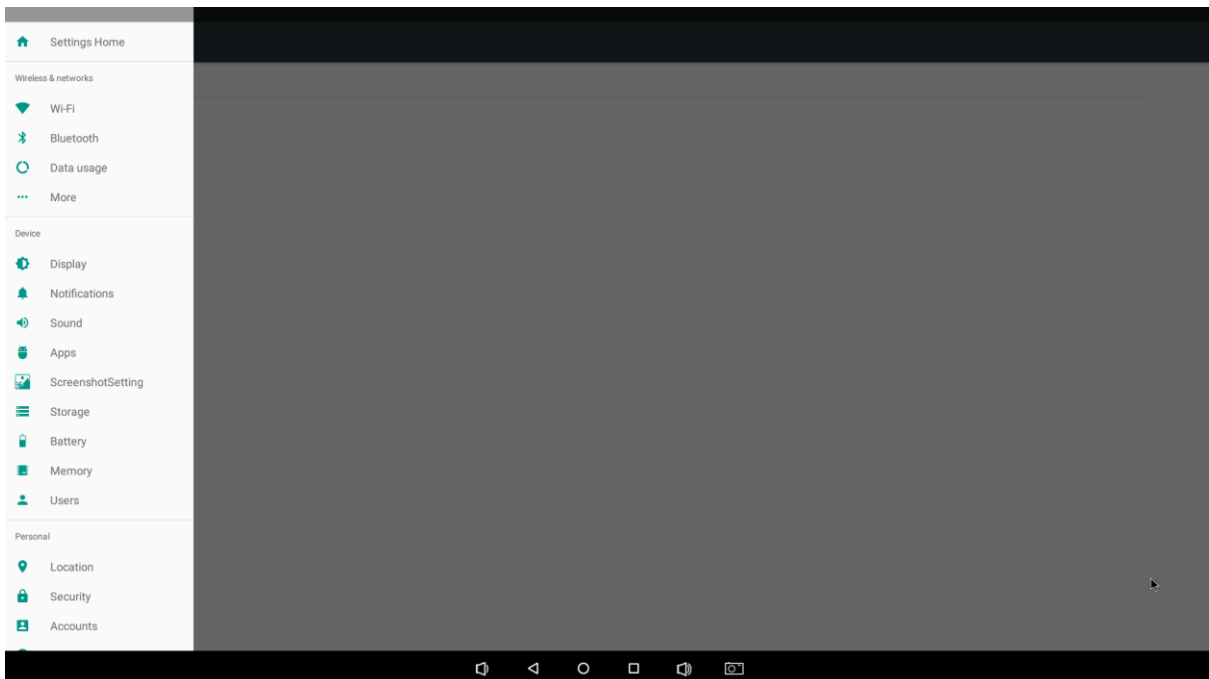


Fig 7-14 Hotspot Settings

7.1.6 Ethernet settings

Ethernet settings: Set an Ethernet connection.

Click **Go to Ethernet Setting** button, pops up Ethernet dialog(7-15), click **Ethernet Ip mode static**, pop up the Ethernet IP Mode dialog, click to select one of the IP mode settings:

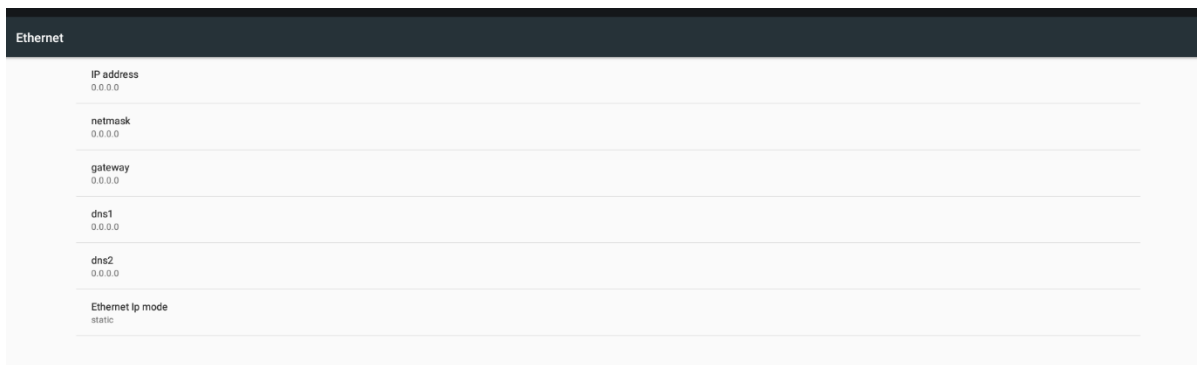


Fig 7-15 Ethernet settings

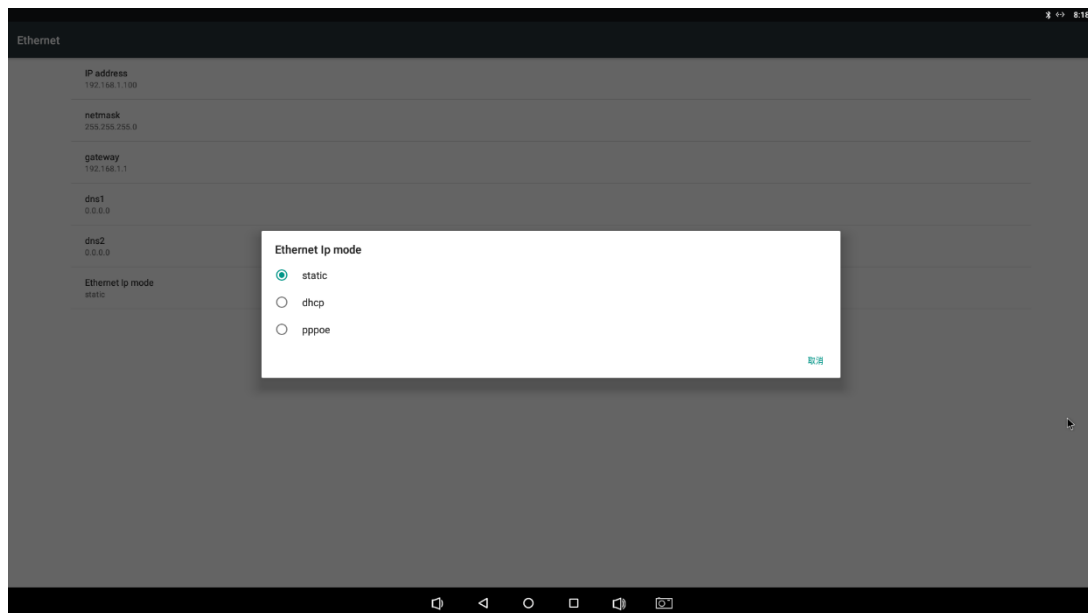


Fig 7-16 Ethernet IP mode -**Static mode**

1. Static mode Setup steps

- 1) Connect the Panthera Cloud network port with the computer network port by a network cable.
- 2) Check **Motichub** in [6 Motichub](#) to Enable connectivity.
- 3) Set computer IP address and Panthera Cloud IP address in the same LAN.
- 4) Enter the Motichub network to share the IP address in the computer to open the web browser. View live image shared by Panthera Cloud.

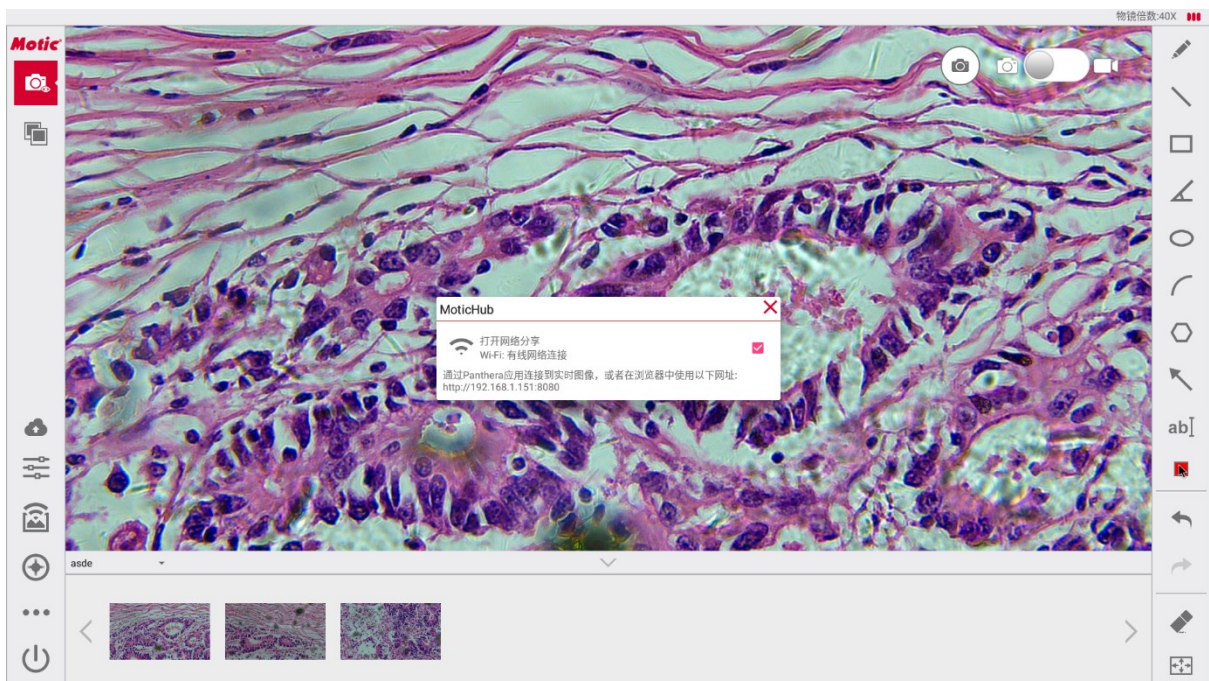


Fig 7-17 Network Sharing on

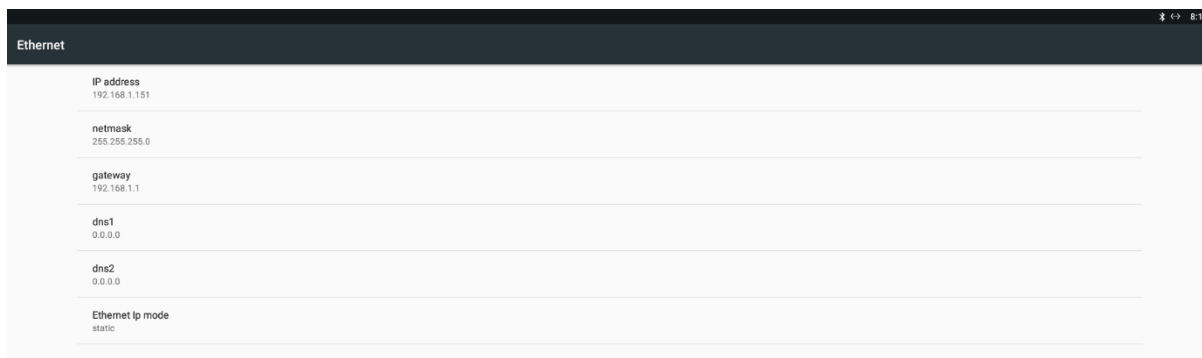


Fig 7-18 Panthera Cloud IP

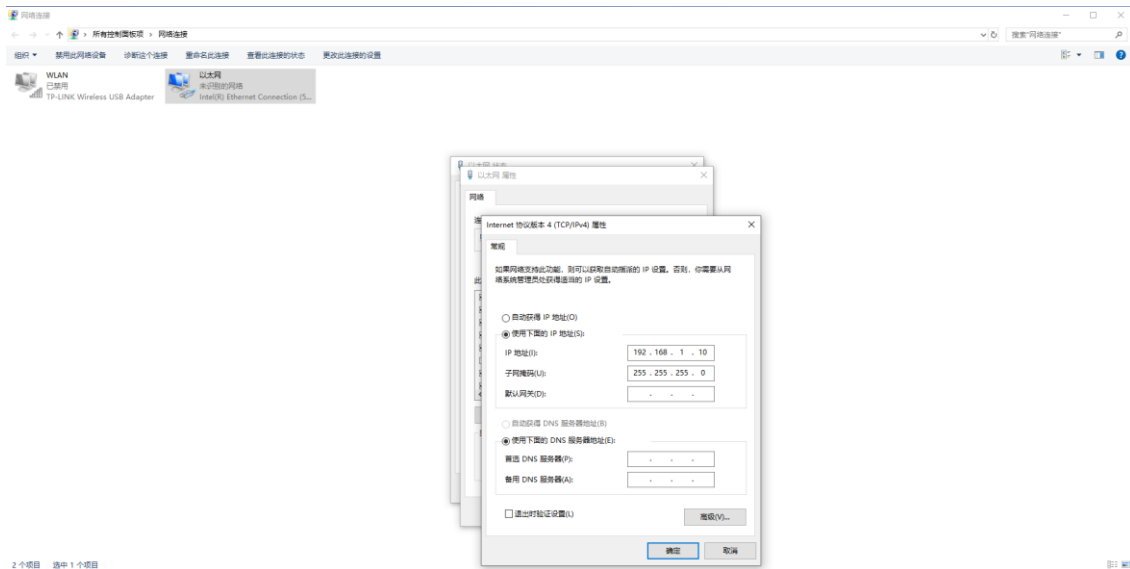


Fig 7-19 PC IP Address

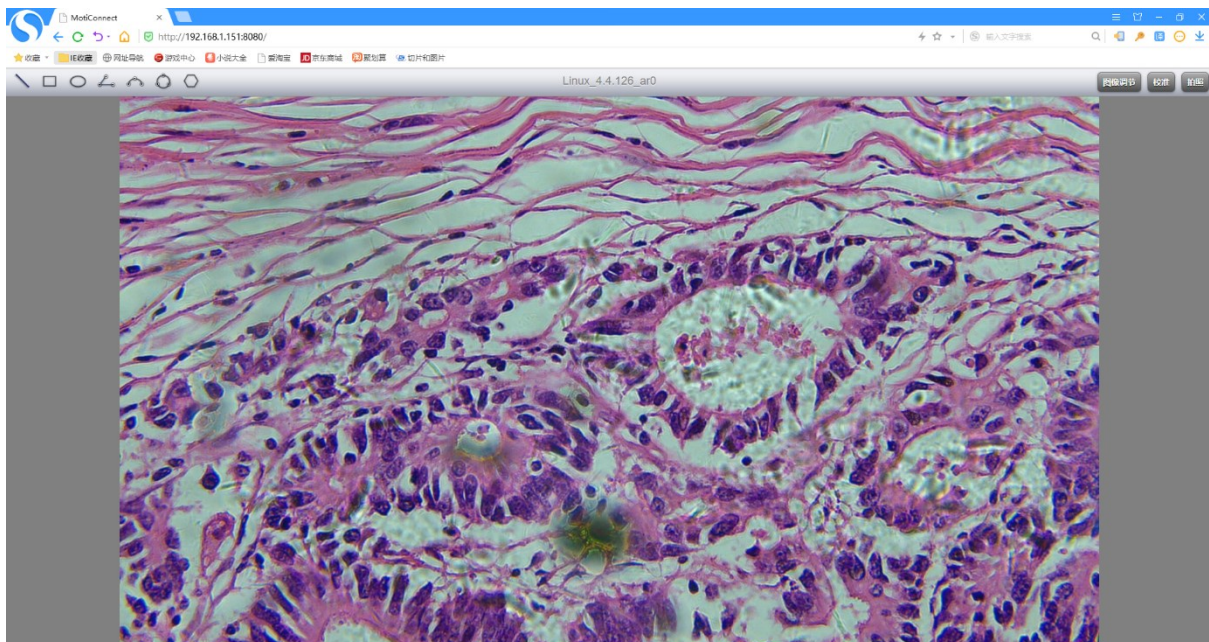


Fig 7-20 Sharing live image in Web Browser

2. Dhcp mode setting steps:

- 1) Connect the Panthera Cloud network port with the router network port by a network cable.
- 2) Connect the computer network port with the router network port by the second network cable.

- 3) Panthera Cloud automatically obtains the IP address.
- 4) Set the computer to automatically get the IP address, and computer IP address with the Panthera Cloud IP address is in the same LAN.
- 5) Check **Motichub** in [6 Motichub](#) to Enable connectivity.
- 6) Enter IP address shared by the Motichub network in your computer browser.

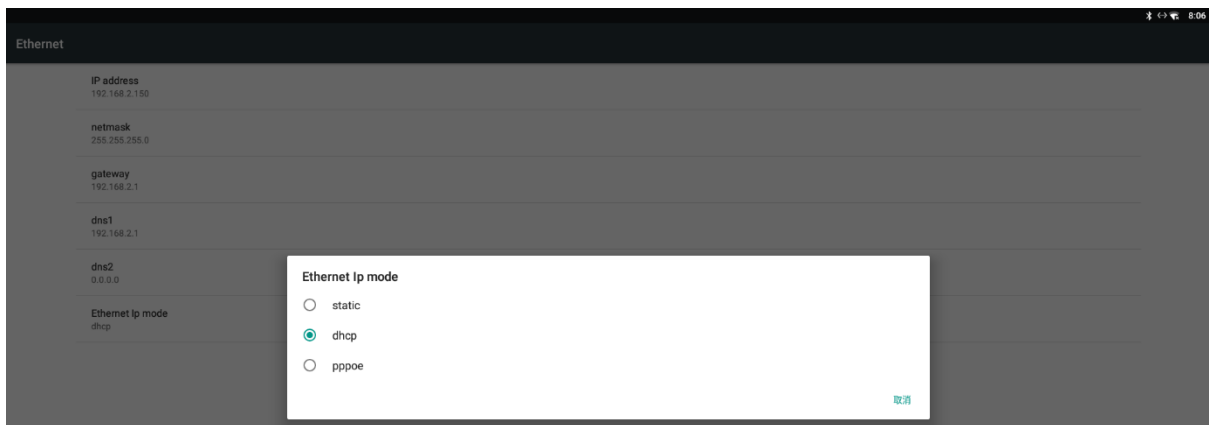


Fig 7-21 Dhcp mode

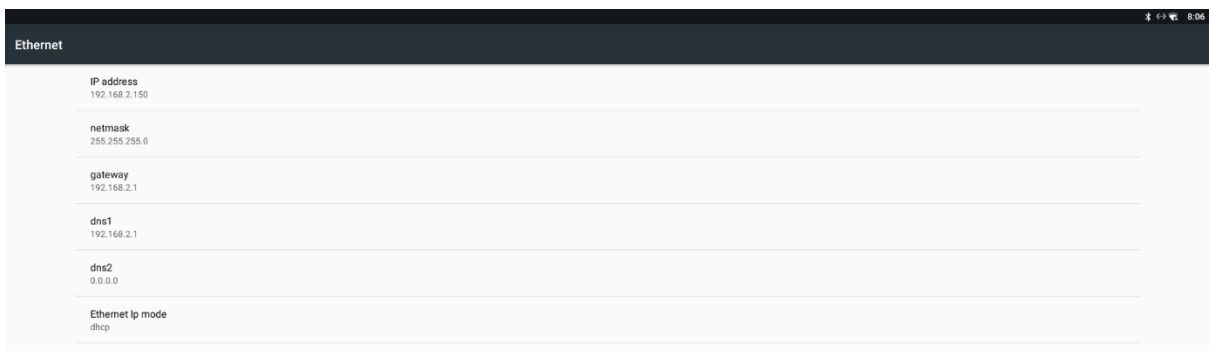


Fig 7-22 Panthera Cloud IP

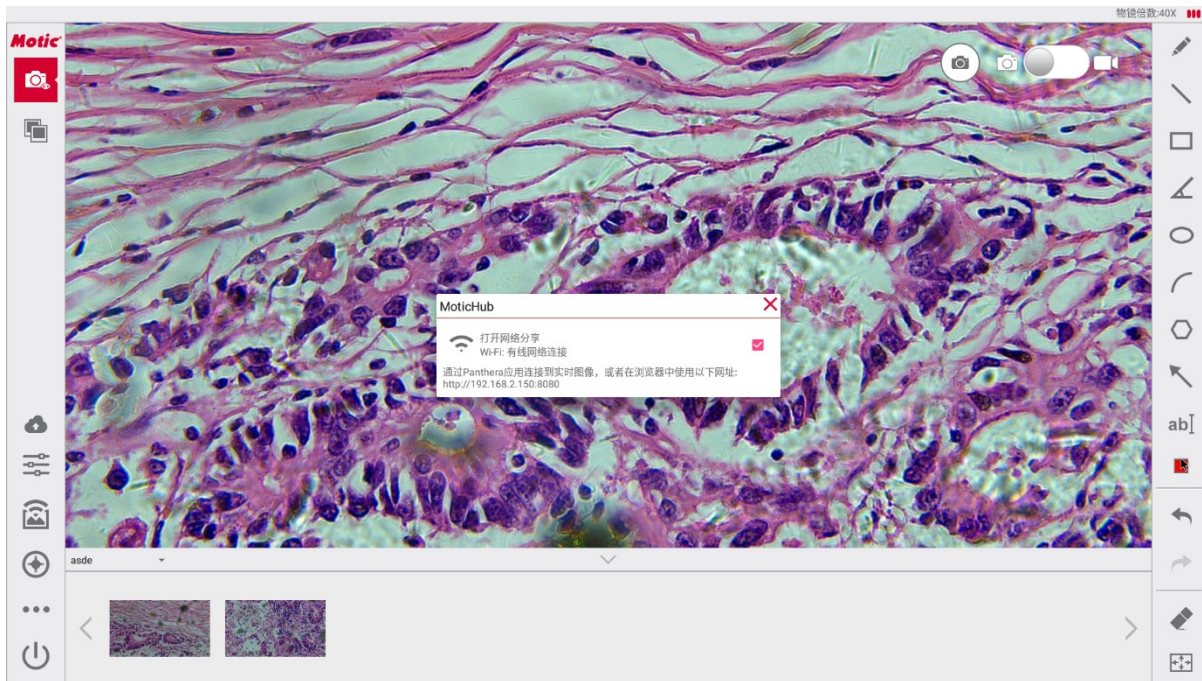


Fig 7-23 Network Sharing On

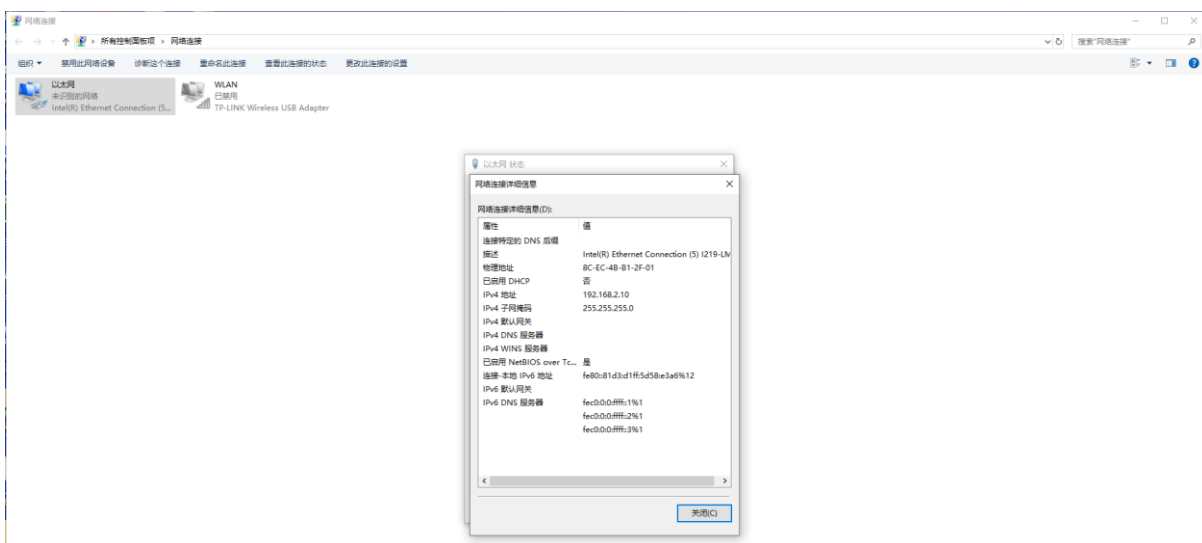


Fig 7-24 computer IP address

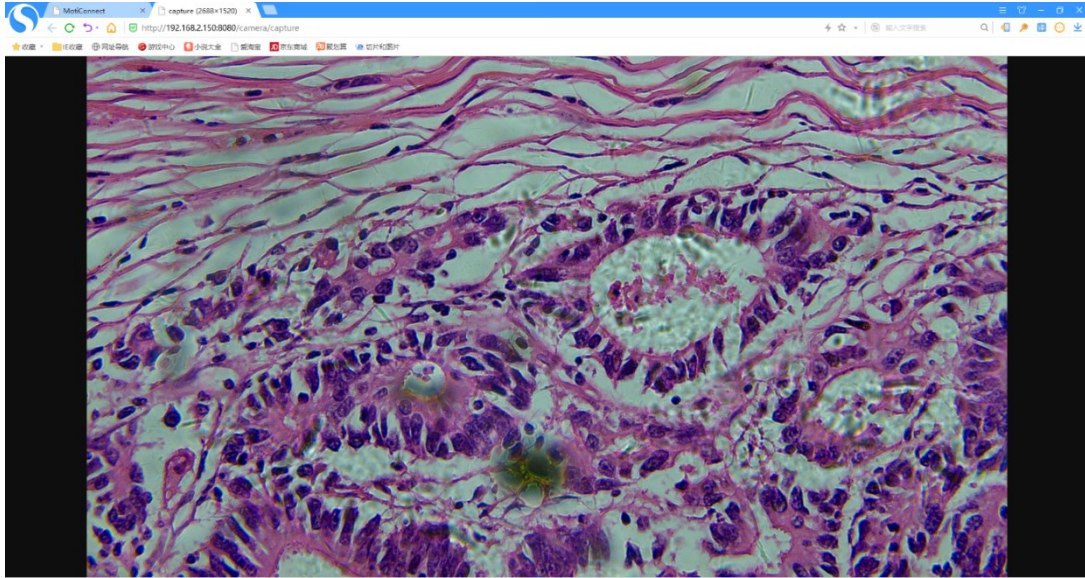


Fig 7-25 Web Browser View Sharing live Image

7.1.7 Language Settings

Language settings: Set the current software language. Add, delete languages as needed.

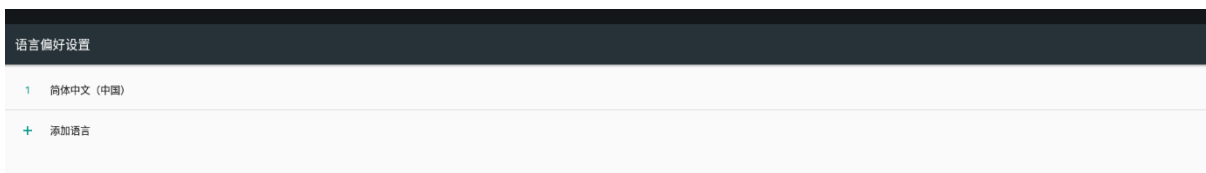


Fig 7-26 Language Preferences Interface

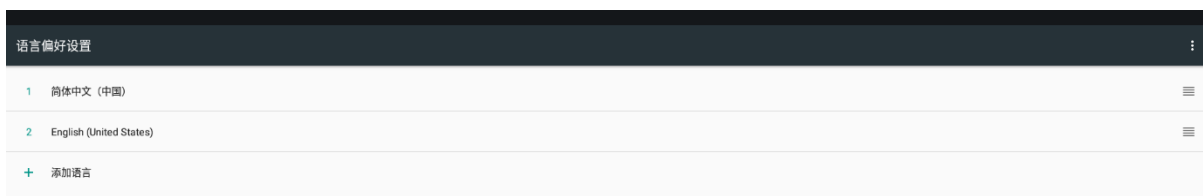


Fig 7-27 Add language interface

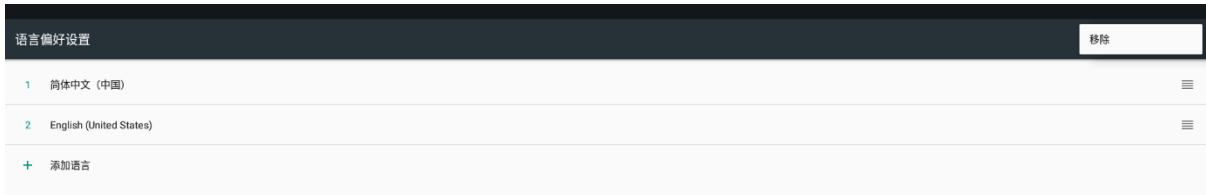


Fig 7-28 Delete Language Interface

7.1.8 File Explorer

File Explorer: View the folder and the attributes, you can copy, cut, and delete the folder.

Click **Go to File Explorer** bar, pops up the **File Explorer** interface.

Note:

- 1) **Long press** the folder name to select the folder.
- 2) **Click** on the folder name to open the folder.

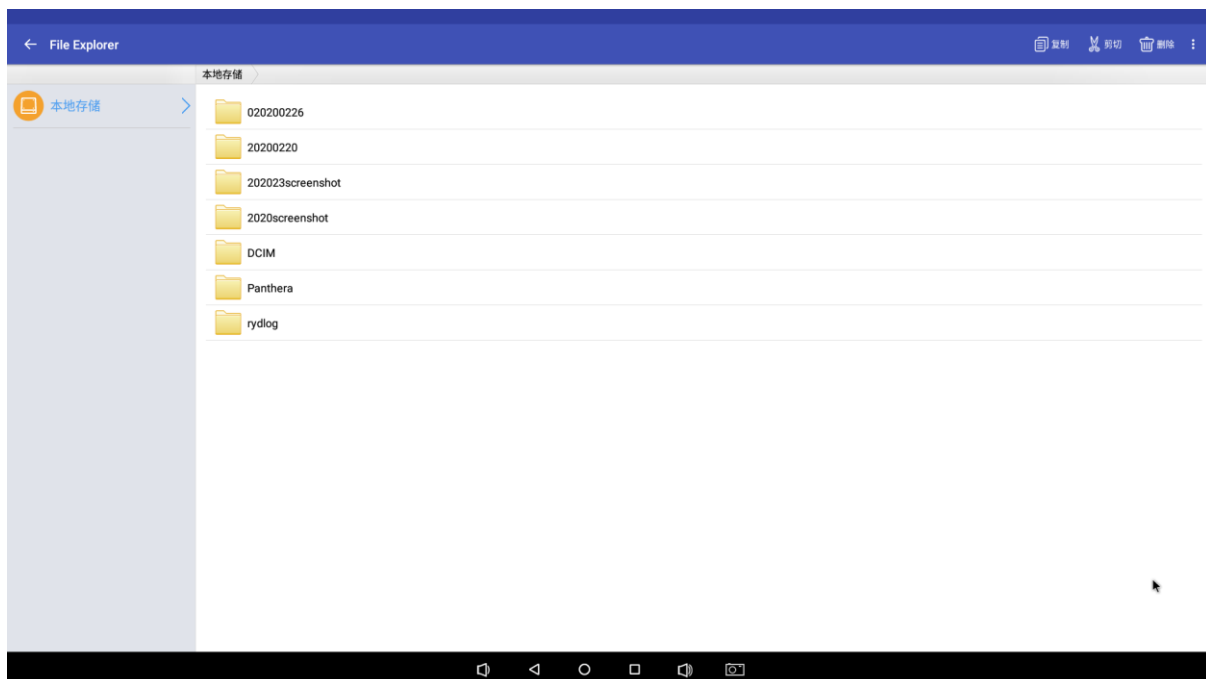


Fig 7-29 File Explorer

7.1.9 Web Browser

Internet Explorer: Click **Go to Internet Explorer** bar, pops up the Internet Explorer.



Fig 7-30 Internet Explorer

7.1.10 Cloud Album

Cloud Album: Click **Go to Cloud Album** bar, pops up the Cloud Album, you can view the images in Cloud Album.

7.2 Advanced

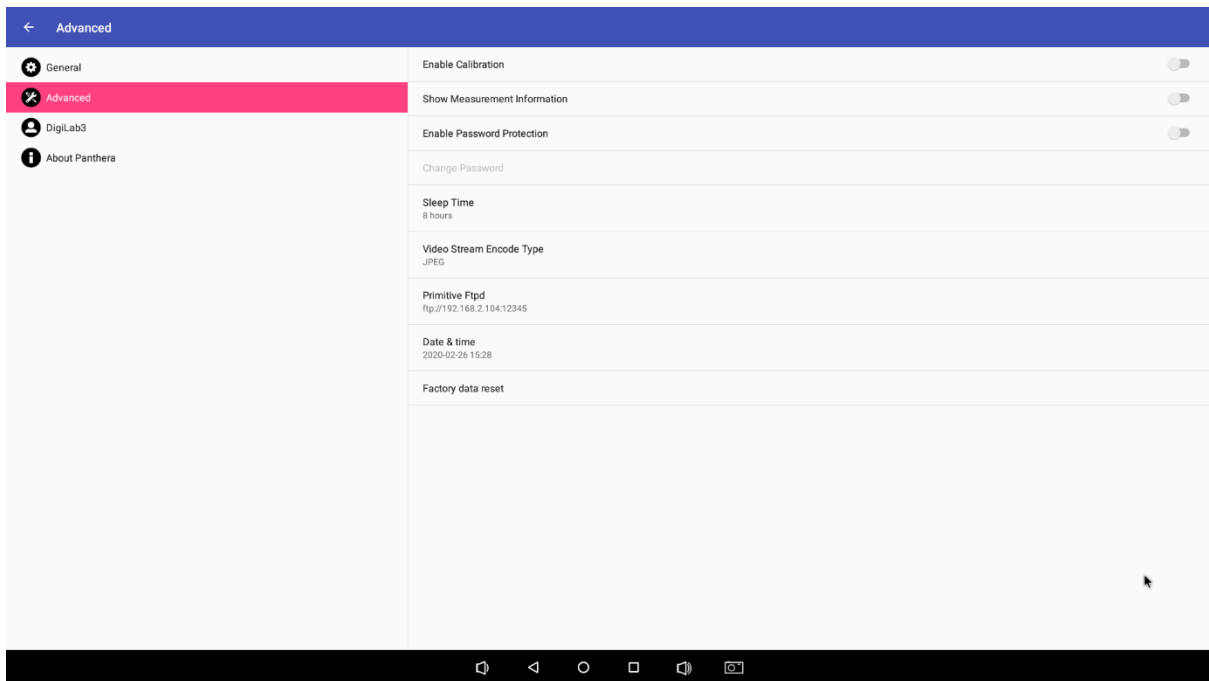






Fig 7-31 Advanced Interface

7.2.1 Enable Calibration

Enable Calibration: Show/Hide the calibration button  on Live Camera view.

- 1)  Off the calibration function: The calibration function is closed by default, and the calibration button  is not displayed on Live Camera view.
- 2)  Enable the calibration function: Click on the slider to open the calibration function, show the calibration button  on Live Camera view.

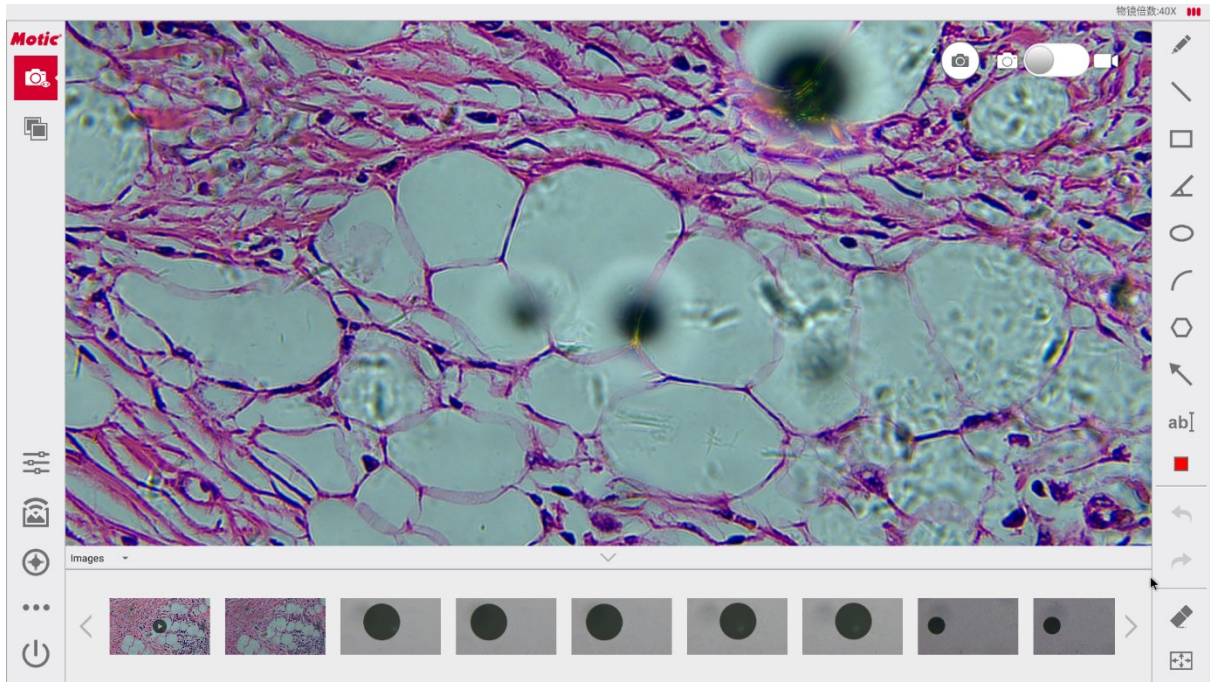





Fig 7-32 Live Camera view - Show Calibration Button 

7.2.2 Show Measurement Information

Show measurement information: this button is to Show/Hide **measurement information**

- 1)  Off: The measurement information is not displayed by default.
- 2)  On: Click on the slider to enable [**Show measurement information**],

Drawing with Measurement Tool finished, the system automatically shows measurement information.

Measurement information: Pen, Line, Rectangle, Angle, Ellipse, Arc, Polygon.

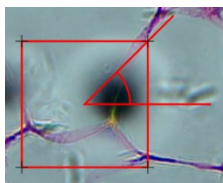


Fig 7-33  Off

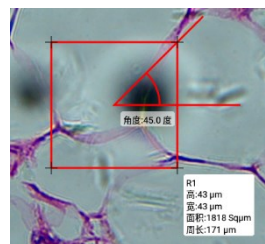


Fig 7-34 **Show measurement information**

7.2.3 Enable Password Protection

Password protection: Set the password to start the software.

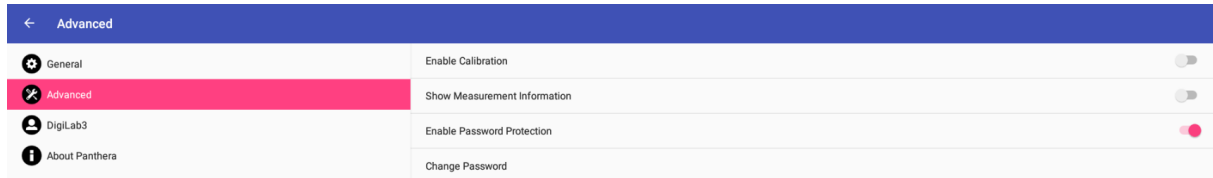


Fig 7-35 Password Protection - On

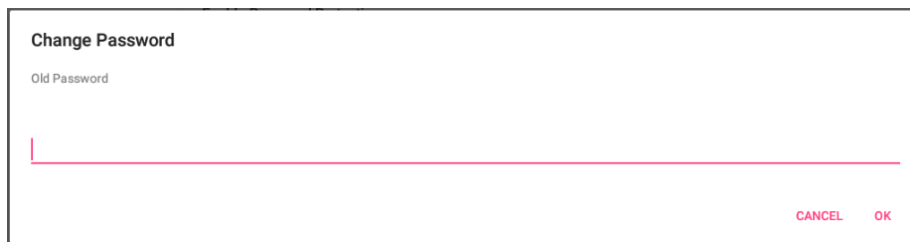


Fig 7-36 Modify Password Interface

7.2.4 Sleep time

Sleep time: Click to choose the system sleep time. The system provides sleep time as shown below.



Fig 7-37 Sleep time

7.2.5 Camera Preview Size

Camera Preview Size: Choose one of camera resolutions.

7.2.6 Video Stream Encode Type

Video Stream Encode Type: Click to choose one of types.

The system provides JPG, H264.



Fig 7-38 Video Stream Encode Type

7.2.7 Primitive Ftpd

Primitive Ftpd: Sets the Ftp service.

Click **Primitive Ftpd**, the following interface, click Go to the Settings interface, and then set the server / manually click [Start Server] according to the requirements.

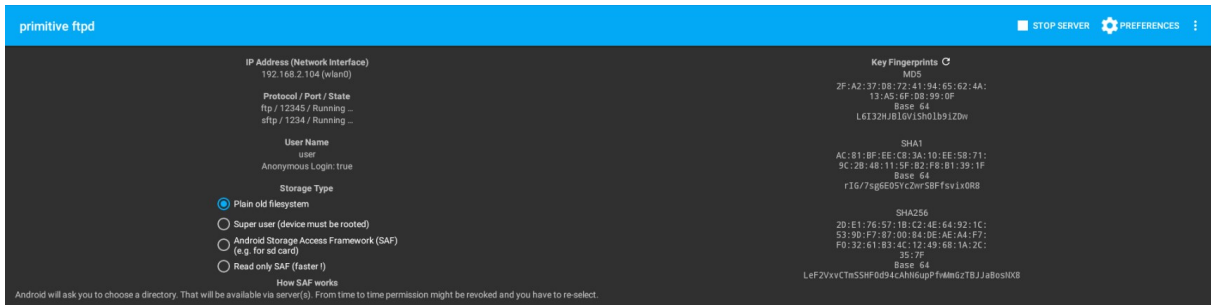


Fig 7-39 Primitive Ftpd interface

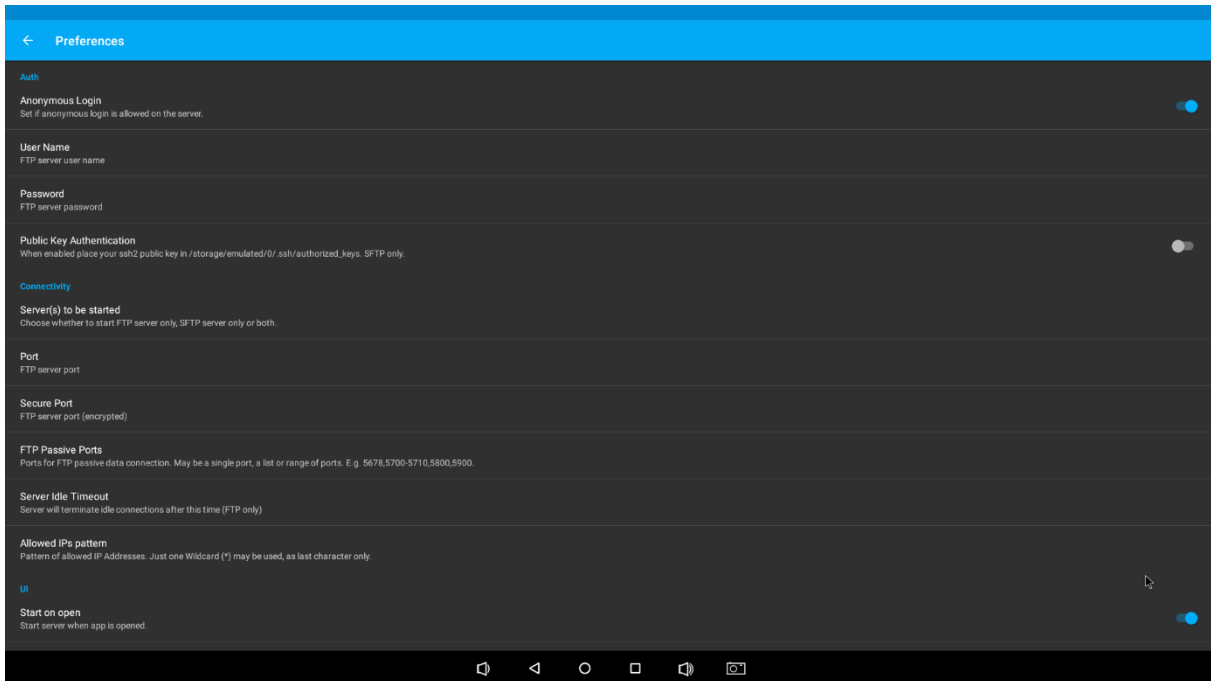


Fig 7-40 Primitive Ftpd- Preferences

7.2.8 Date & Time

Date & time: Set date and time for the system.



Fig 7-41 Date & time

7.2.9 Remote Desktop



Remote Desktop: Open the Remote Desktop, and you can execute Panthera App on Remote Desktop to control Panthera microscope.

7.2.10 Factory data reset

Factory data reset: Reset the system data to factory settings.

7.3 DigiLab3

Enable DigiLab Class : on/off DigiLab Class function.

Click on the slider ( On,  Off) to switch On/Off DigiLab3 classroom

function.



Fig 7-42 DigiLab3 -On

7.4 About Panthera

About: Show software version, update time and system build info.

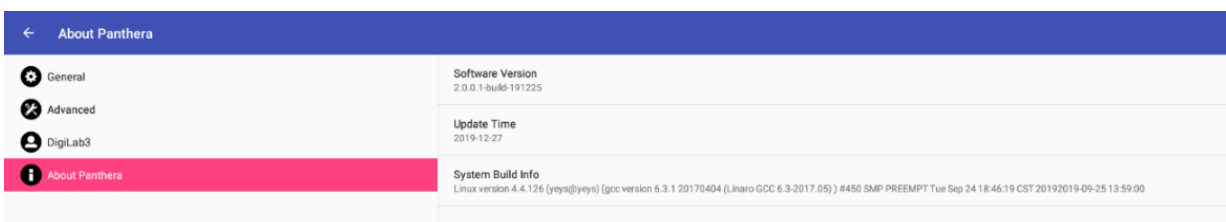




Fig 7-43 About

8 Calibration

Enable Calibration settings steps:

- 1) System Setting > Advanced > [7.2.1 Enable Calibration](#), Enable the calibration function, calibration button  (Fig8-1) is displayed on the main interface.
- 2) Click  calibration button, Calibration Settings dialog (Fig8-2) pops up.

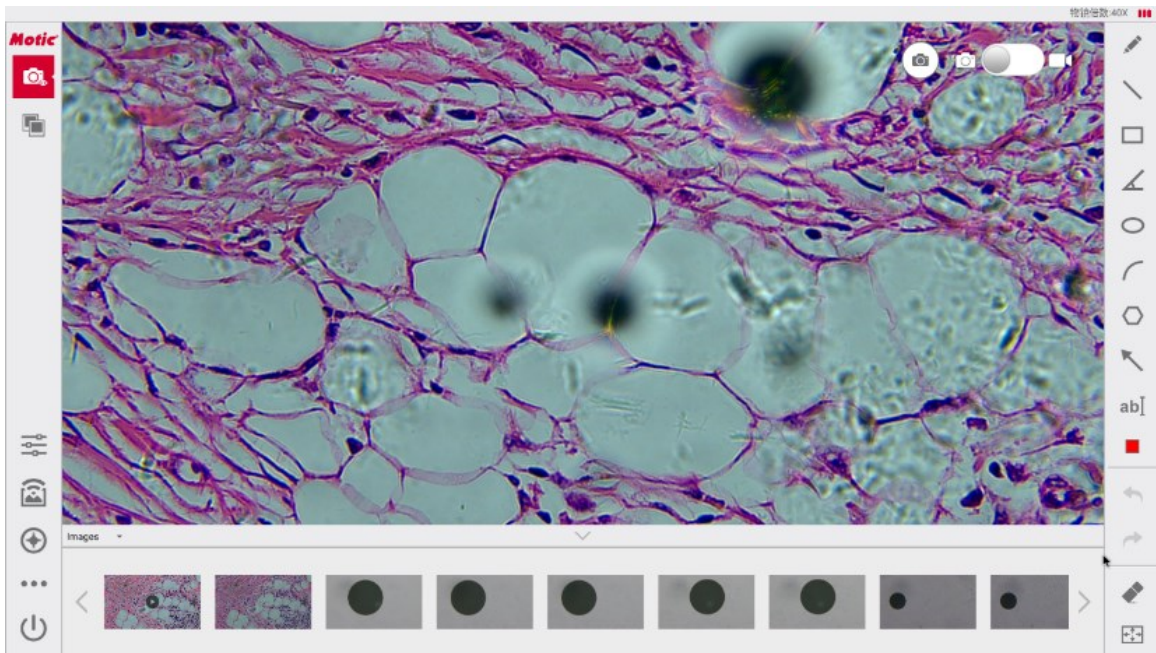


Fig 8-1 Calibration button

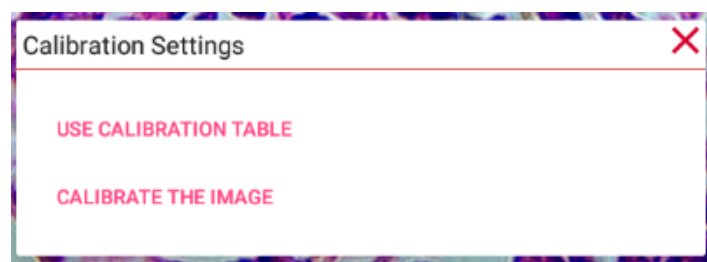




Fig 8-2 Calibration Settings

8.1 Calibration with Calibration Table

Calibration with Calibration Table steps:

- 1) System Setting > Advanced > [7.2.1 Enable Calibration](#), Enable the calibration

- function, calibration button  (Fig8-1) is displayed on the main interface.
- 2) Click  calibration button, Calibration Settings dialog (Fig8-2) pops up.
 - 3) Click **【Use calibration table】** in **【Calibration Settings】** to check it.
 - 4) Click Calibration Name in the calibration table to check it.
 - 5) Click **【OK】** , the system automatically performs calibration and applies the calibration data to the current image.

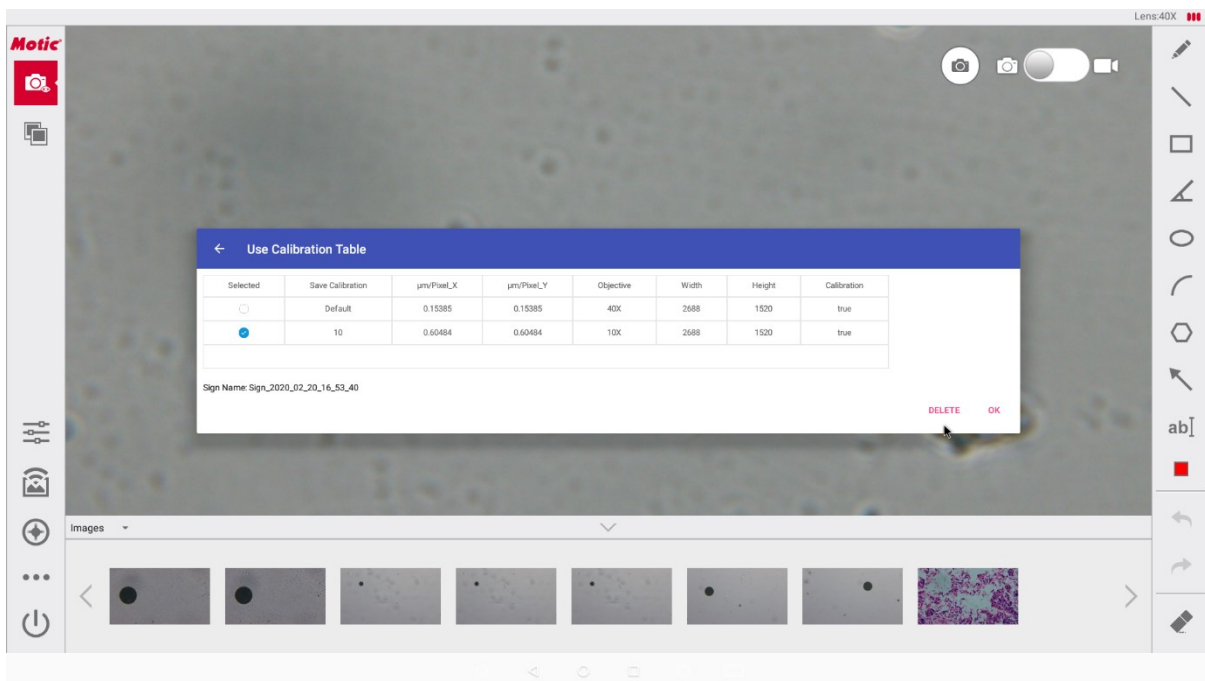




Fig 8-3 Use calibration table

8.2 Create a new calibration

Create a new calibration steps:

- 1) System Setting> Advanced>[7.2.1 Enable Calibration](#), Enable the calibration function, calibration button  (Fig8-1) is displayed on the main interface.
- 2) Click  calibration button, Calibration Settings dialog (Fig8-2) pops up.
- 3) Click **【Calibrate The Image】** in **【Calibration Settings】** to check it, **【Calibrate The Image】** interface pops up as follows.

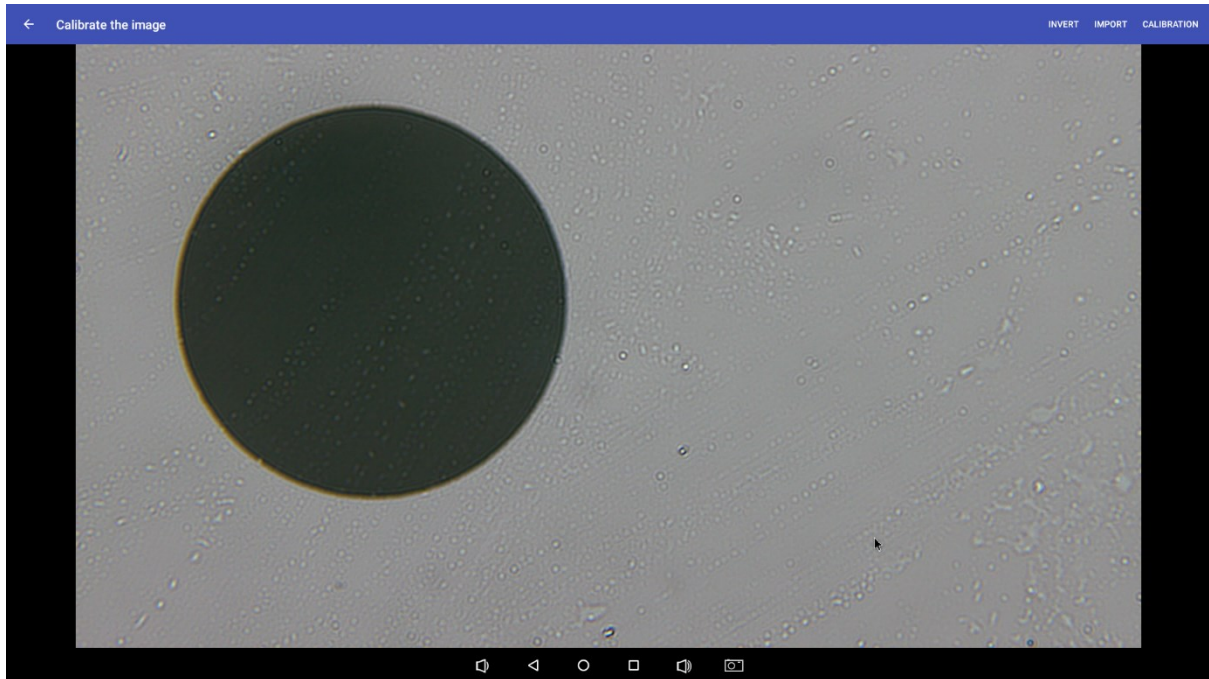


Fig 8-4 Create a new calibration interface

【INVER】: Invert colors of the image with calibration circle.

【IMPORT】: Load an image with calibration circle.

【Calibration】: The shortcut button of Calibration.

4) Click **【IMPORT】** button, load an image with clear calibration circle. You can also create a clear calibration circle image by calibration slide with calibration circle.

5) Click **【Calibration】** shortcut button to calibrate the system. The system automatically recognizes the calibration circle. When the calibration circle is recognized successfully, it is highlighted as a green calibration circle, and calibration is performed.

6) According to prompts, Input **Objective Magnification** (or click to select Objective Magnification from dropdown list), Input **diameter** and **Sign Name**

7) Click **【OK】** Save the calibration settings, and the new calibration name is automatically added to the **【Use Calibration Table】**.

Each step is explained in graphic user interface shown as below.

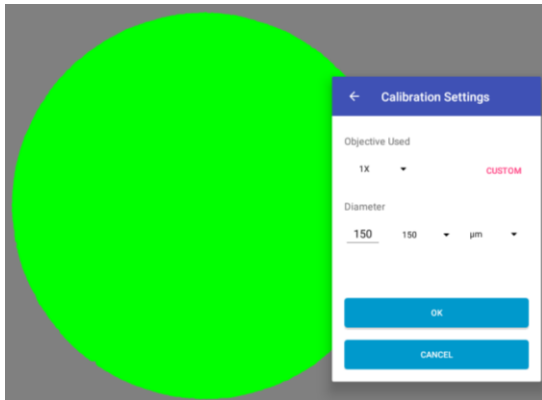


Fig 8-5 calibration settings



Fig 8-6 Objective list

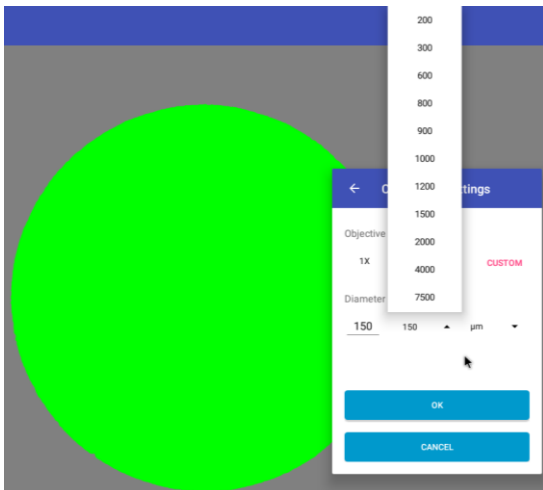


Fig 8-7 Diameter list

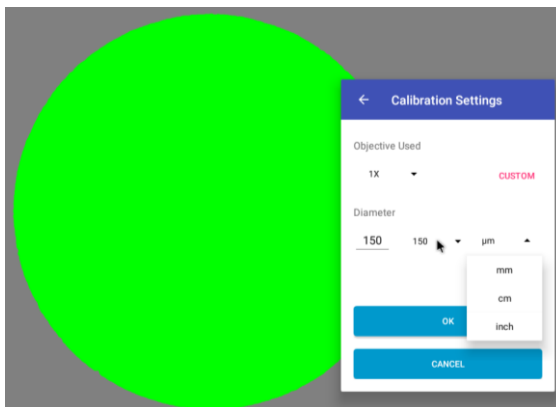


Fig 8-8 Diameter unit

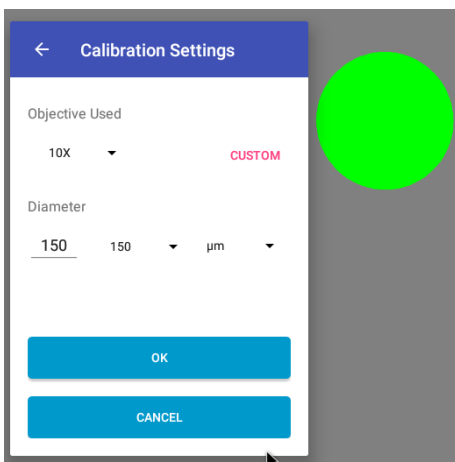


Fig 8-9 Objective Used

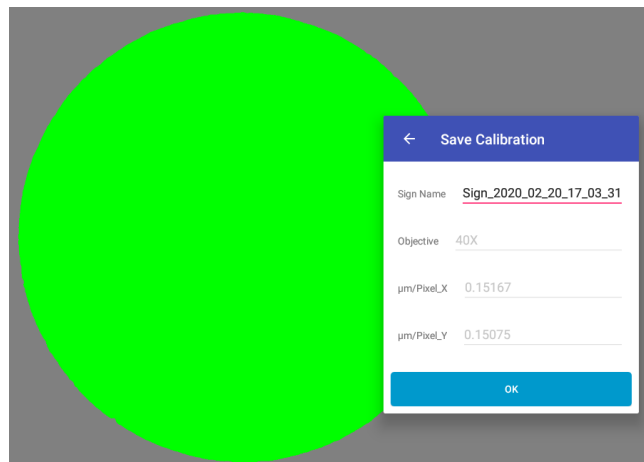


Fig 8-10 Save Calibration

← Use Calibration Table							
Selected	Save Calibration	$\mu\text{m}/\text{Pixel}_X$	$\mu\text{m}/\text{Pixel}_Y$	Objective	Width	Height	Calibration
<input type="checkbox"/>	Default	0.15385	0.15385	40X	2688	1520	true
<input checked="" type="checkbox"/>	Sign_2020_02_20_17_03_02	0.15167	0.15075	40X	2688	1520	true
Sign Name: Sign_2020_02_20_17_03_31							
							DELETE OK

Fig 8-11 new calibration table