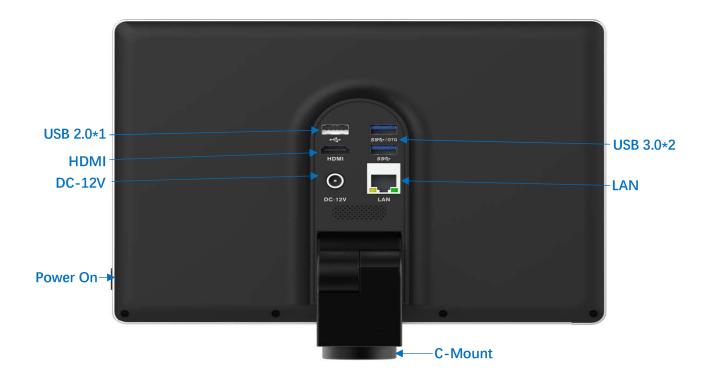# Features

- 10.5" Touch Screen Android Pad + 4K Digital Camera, All-in-One
- 8.0M 1/1.8" CMOS Digital Camera Resolution 3840*2158@30FPS
- Android 11 Tablet Built-in Memory RAM 2G + ROM 16G For Photo & Video Record
- USB3.0+HDMI+LAN Output, Touch Screen + USB Mouse & Keyboard Control
- Open & See Microscope Image Directly, Built-in Software For Measure & Analysis

Specification

10.5" Touch Screen Android Pad Digital Camera, 8.0M		
	Category	HD All-in-One Android 11 System Tablet Digital Camera
	Sensor	1/1.8" CMOS Sensor
	Effective Pixel	8M, 4K
	Screen	10.5" High-Definition Touch Screen
	Operation System	Android 11
	WIFI	2.4GHz/5GHz Dual-band WIFI, Support WIFI6
	Bluetooth	Bluetooth 5.0
	Output	USB3.0*2, USB2.0*1, HDMI, Gigabit LAN Port
	Pixel size	2.0um*2.0um
	Power	DC-12V/2A
Function	Basic Function	Android Interaction, Installed S-Eye2.0 Measure Software
	Image Adjustment	Brightness, Contrast, Saturation, Color Temperature
	Camera Function	Mirror, Flip, Freeze, Black and White
	UI Interface	Support User-friendly Mouse & Keyboard, And Touch Screen Operation
	Photo	8.0M Image Capture
	Video	1080P Video
	Storage	Still Photo And Video Recording, Picture Preview
	Marking	Point Coordinates, Crosshairs, Coordinate System, Text Annotations
	Length Measurement	Straight Line, Folded Line, Curve Length, Parallel Line Distance, Point Line Distance
	Geometric Measurement	Line Segment Length, Radius Fixed Circle, 2 Point Fixed Circle, 3 Point Fixed Circle, Concentric Circle, Radius Fixed Circle
	Geometric Area Measurement	Polygon, Rectangle
	Measurement System	Built-in S-Eye Software
Package	Box Size	237*169*10.5mm
	Weight	0.6kg
	Accessory	DC-12V/2A Power Adapter

USB 2.0*1
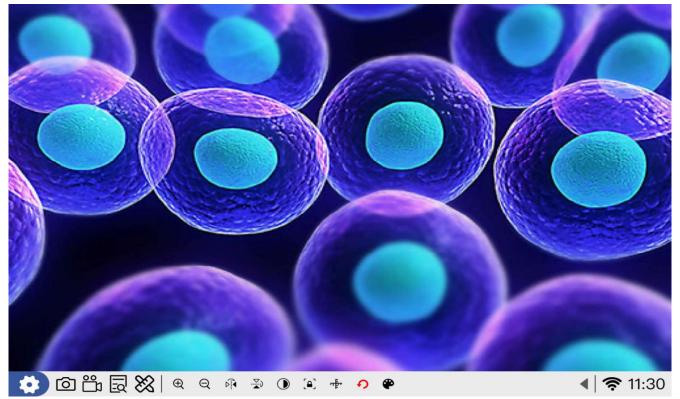HDMI
DC-12V
Power On→

USB 3.0*2
LAN
C-Mount

Operation

1. First, connect the tablet to DC-12V power adapter
2. Then connect the tablet to microscope by standard C-Mount.
   (See how to connect digital camera to microscope at end of this manual.)
3. After connecting the power, long press the Power On button, the blue light stays on
4. After power on, the system directly starts into the microscope image preview interface
5. The tablet can be connected to other large monitor screen through HDMI port, to show sync real time image of microscope camera.
6. The tablet has Android 11 system & measure software installed, no need to install any other software.
   Under measure mode, click ⊟ button to capture screenshot and save measure result.
7. The tablet has touch screen, can take photo, record video, measure image, or adjust all parameters directly by touch.
8. The USB mouse & keyboard can be connected to USB 2.0 port to control tablet directly
9. There is 16G memory built-in to store photos and videos taken by digital camera.
10. The USB disk can be connected to USB 3.0 port to copy the photos and videos recorded.
    Under main interface, click ⊟ button to explore, copy, paste files to USB disk.
11. The tablet can be connected to PC through USB 3.0 port or LAN port to copy files.

S-Eye Software Introduction

Main Interface

The camera & tablet will enter the main interface directly after power on, and you can click the shortcut buttons on the bottom of screen to set, take photo, record video, review, measure, zoom in/out, mirror image, flip image, etc. as needed.

Setting, Photo Capture, Video Record, Preview, Measurement.

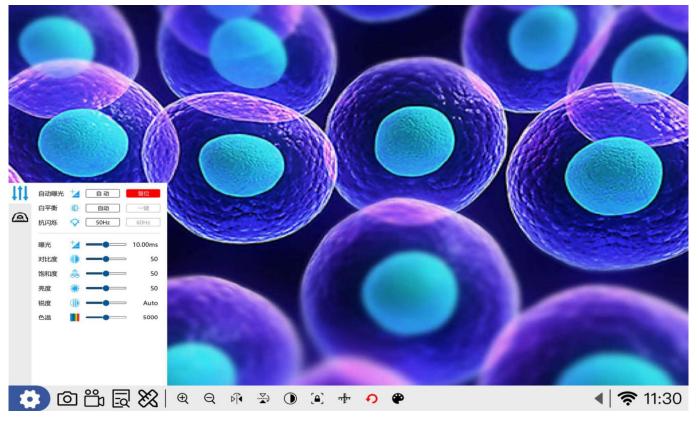Digital Zoom In/Out (1x~16x), Mirror Image, Flip Image

Black/White Mode, Image Freeze, Scale Switch, Parameter Reset, Color & Size Adjust
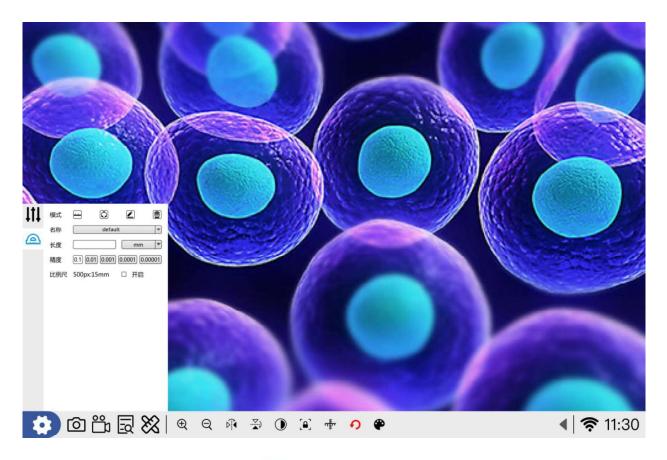

Click arrow to show more settings:
Sound, Brightness, IE Brower, **Explorer (USB Disk)**, Lan, WIFI, Time Set

Setting Mode

1, After the camera is turned on directly into the screen as shown

2, Click button to pop up the setting menu as above picture

3, Set the image parameters according to demand

(1) Auto Exposure: Manual Setting and Auto Setting (Default).
(2) White Balance: Automatic (Default) and One-touch Set.
   Under the standard color temperature, click one-touch button when lens is facing standard light or white paper, the camera will automatically load parameters according to the current condition, to achieve the correct white balance.
(3) Anti-Flicker: The system provides 50HZ and 60HZ optional.
(4) Exposure: Adjust the exposure time of the camera as needed
(5) Contrast: Adjust the image contrast as needed
(6) Saturation: Adjust the image saturation as needed
(7) Brightness: Adjust the image brightness as needed
(8) Sharpness: Adjust the image sharpness as needed
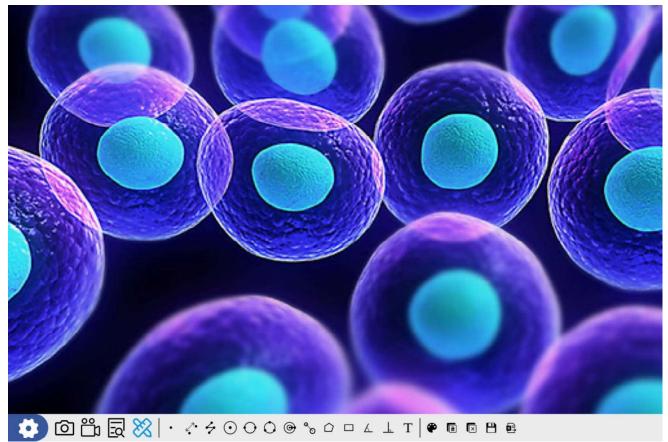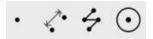(9) Color Temperature: adjust the image color temperature as needed

Calibration Setting

Click ⚙ to choose the button 📐 to enter measure calibration mode.

1. mode: providing calibration mode, line calibration and circle calibration are available to be selected. After clicking the line calibration icon, the preview interface will directly display the line segment, according to the location and length of the calibration scale, the mouse will move the line segment to the top of the calibration scale to overlap with the corresponding scale. Please set the name, unit, accuracy, and finally click the save icon to complete the calibration

2. Click 🗑 to delete unwanted calibration information after clicking the delete icon

3. Name: after drawing the line segment cursor, directly defaults in this position. Enter the corresponding name and then select the unit after confirming, the cursor jump to the next window

4. Accuracy: After setting the name and unit, you need to set the corresponding number of decimals to ensure the measurement accuracy

5. Scale: provides the option to turn the scale on or off

Measure Mode

Click ✄ to enter measure mode, you can measure the objects, capture screenshot for report.

Point coordinates, straight line, dashes (end of right mouse button), drawing circle etc.

2 Points Circle, 3 Points Circle, Concentric Circles, Circle Center Distance.

Polygon, Rectangle, Angle, Point-Line Distance, Text Mark

Set Graph Color & Thickness, Delete One, Delete All, **Save Screenshot**, Export Measure Result

A59.3521 Size & Diaphragm

4-R7.20

267.42mm

186.02

168.83

19.05

10.50

236.85

54.95