



Mini 5G Wifi Build - In Camera , Biological Trinocular Student Microscope A59.4930

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CNOEC, OPTO-EDU
- Certification: CE, Rohs
- Model Number: A59.4930
- Minimum Order Quantity: 1 pc
- Price: FOB \$1~1000, Depend on Order Quantity
- Packaging Details: Carton Packing, For Export Transportation
- Delivery Time: 5~20 Days
- Payment Terms: T/T, West Union, Paypal
- Supply Ability: 5000 pcs/ Month



Product Specification

- Product Name: 5G WIFI Digital Camera
- Resolution: WF10x
- Output: USB, WIFI
- Power Supply: USB
- Sensor: CMOS Sensor
- Usage: Microscope C-mount & Eyepiece Tube
- LCD Screen: N/A
- Certificate: CE, Rohs
- Warranty: Warranty
- Packing: 1000 Pcs/month
- Highlight: microscope accessory,
compound microscope parts



More Images



Product Description

Hardware Configuration	A59.4930-2.0M	A59.4930-5.0M	A59.4930-8.0M	A59.4930-12.0M
	2.0MP	5.0MP	8.0MP	12.0MP
Image Sensor	SONY IM×291 CMOS Sensor	SONY IM×178 CMOS Sensor	SONY IM×274 CMOS Sensor	SONY IM×226 CMOS Sensor
Expose Mode	Rolling shutter	Rolling shutter	Rolling shutter	Rolling shutter
Maximum Resolution	1920×1080(2,073 600 pixels)	2592×1944(5,038,848 pixels)	3840×2160(8,294,400 pixels)	4000×3000 (12,000,000 pixels)
Sensor Optical Format	1/2.8"	1/1.8"	1/2.5"	1/1.7"
Pixel Size	2.9μm x 2.9μm	2.4μm x 2.4μm	1.62μm x 1.62μm	1.85μm x 1.85μm
Dynamic Range	128dB	>80dB	>80dB	>80dB
SNRmax	30dB	≥50dB	≥50dB	≥50dB
Spectral Characteristics	380-650nm			
Exposure Capability	Real-time auto, Single auto, Manual adjustment			
White Balance	Real-time auto, Single auto, Manual adjust R G B separately			
Record Format	Snapshot Picture Format:JPG Resolution:1920x1080 Record Video Format:MOV Resolution:1920X1080@60FPS, 1280x720@60FPS	Snapshot Picture Format:JPG Resolution:2592X1944@30FPS, 2560X1920@30FPS, 2048x1536@30FPS, 1920x1080@30FPS	Snapshot Picture Format:JPG Resolution:3840x2160 Record Video Format:MOV Resolution:3840X2160@25FPS, 2592X1944@25FPS, 2048x1536@25FPS	Snapshot Picture Format:JPG Resolution:4000X3000 Record Video Format:MOV Resolution:4000X3000@15FPS, 4096X2160@25FPS, 3840x2160@25FPS, 2592x1944@25FPS
Software Environment (Please confirm mobile display device(tablet and cell phone)must support protocol IEEE 802.11n/ac, otherwise they can not display image properly)				
Windows System Demand	Microsoft®Windows®XP/7/8/8.1/10(32&64 bit)			
	CPU: Dual-core 3.0GHz or more CPU			
	Memory: 4G or more			
	At least 10GB available hard disk space			
	Wireless network card(support IEEE 802.11n/ac)			
iOS System Demand	iPhone X/8/8Plus/7/7Plus/6s/6s Plus/6/6 Plus/iPad Pro(12.9-inch 2nd generation)/(12.9-inch 1st generation)/(10.5-inch)/(9.7-inch)/iPad Air 2/iPad mini 4			
Android System Demand	Android 4.0 or higher			
	CPU: dual-core 1.7GHz or higher			
	RAW memory: 1G or more			
	Storage ROM: suggest 8G or larger			
Operating Environment				
Operating Temperature		0℃~ 40℃		
Storage Temperature		-20℃~ 60℃		
Operating Humidity		30~60%RH		
Wireless Parameter/Power Parameter				
Standard		IEEE 802.11n/ac		
Operating Frequency Range		2412---2484MHz &5180---5825MHz		
Data Transmission Rate	IEEE 802.11n: MCS0-MCS7@ HT 20/2.4GHz band			
	IEEE 802.11n: MCS0-MCS9@ HT 40/5GHz band			
	IEEE 802.11n: MCS0-MCS7@ VHT 80/5GHz band			
		HT20 MCS7: -71dBm@10% PER(MCS7)/2.4GHz band		

Receiving Sensitivity	VHT80 MCS9:-60dBm@10% PER(MCS9)/5GHz band
	HT40 MCS7:-70dBm@10% PER(MCS9)/2.4GHz band
Transmission Powder	IEEE802.11ac:13±1.5dBm@HT80 MCS9/5GHz band
	IEEE802.11n:16±1.5dBm@HT20/40 MCS0/5GHz band
	IEEE802.11n:16±1.5dBm@HT20/40 MCS7/2.4GHz band
The Wireless Work Instructions	When there has not WiFi, LED lamp turn off
	When WiFi is opened but do not connect, LED is always lighting
	When WiFi is connected, LED flashes at the beginning and stay turn off afterward
	When WiFi is connected, LED flashes, about once per second, the greater the amount of data the faster it flashes, and it is about 10 times per second

PRODUCT DISPLAY

A59.4930



Microscope Camera For Teacher Wight: 260g

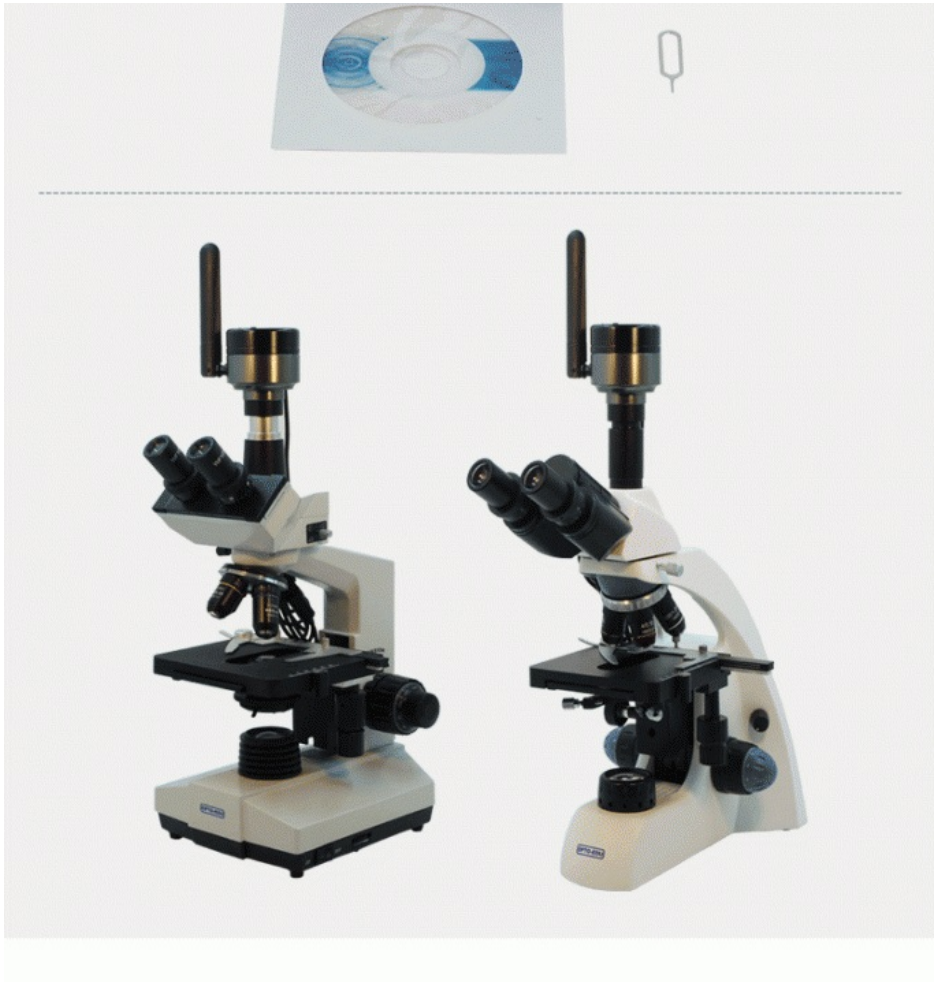


Professional Software Support The Above Equipment



Micro WiFi Lab

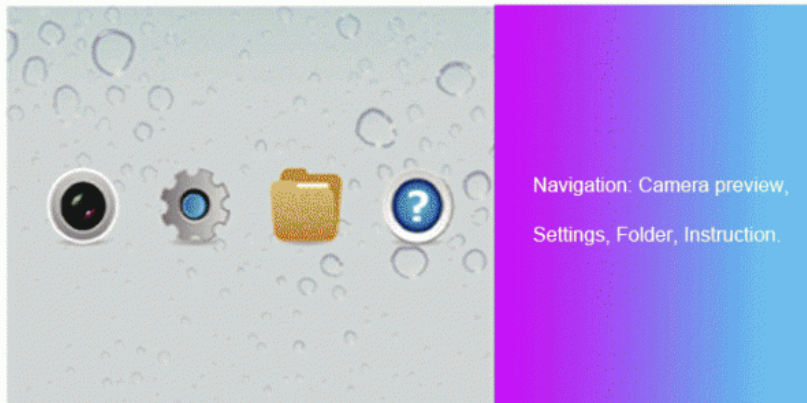
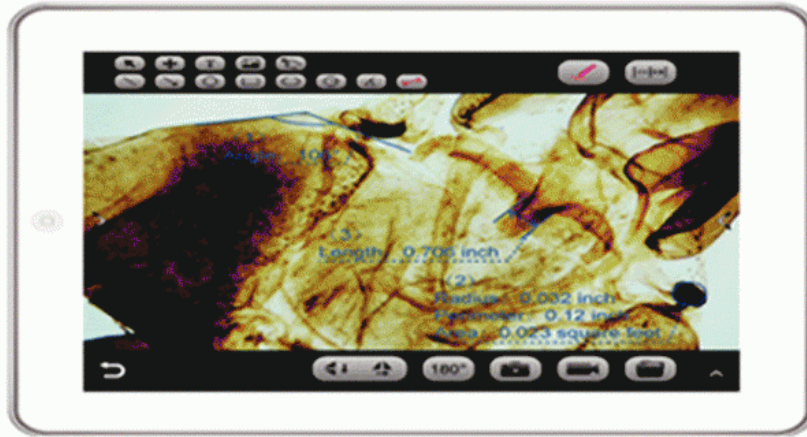




MICRO WIFI LAB

Key Features Of APP For Individual Student

- 01** Photo, Video, Folder Management, Parameters (Brightness, White Balance, Etc.) Adjustment.
Annotations, Measurements, Doodles, Arrows, Add Picture.
Share To Social Network With One Button.



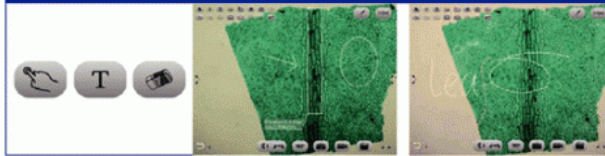
Navigation: Camera preview,
Settings, Folder, Instruction.

02 Camera Preview Window



03 Highlight The Key Parts

Highlight the key parts and increase learning interest: add text, annotation, doodle, arrow, line, draw circle, draw square.



04 Measurement Tools

Measurement tools: calibration, linear measurement, round measurement, square measurement, angle measurement.



Key Features Of APP For Individual Teacher

01 Key Features Of Interactive Software For Teacher

Key features of interactive software for teacher

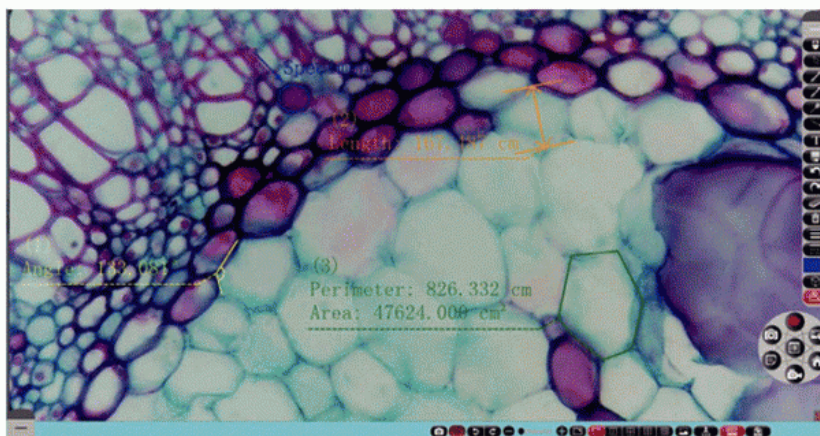
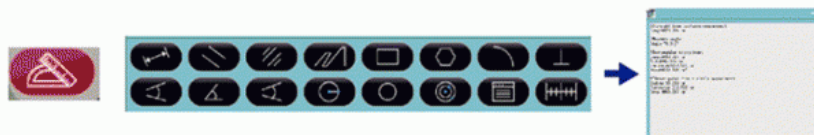
The function icons are visualized for easy to operate and can be moved on the screen, so that the teacher can pick the menu in different locations of the software while walking in the classroom.



Navigation panel

02 Rich Measure Tools To Satisfy Different Needs

Calibration, linear measurement, parallel line measurement, irregular shape measurement, polygon measurement, arc measurement, measurement, circular measurement, concentric circle measurement, angle measurement One key to export measurement results to notebook.



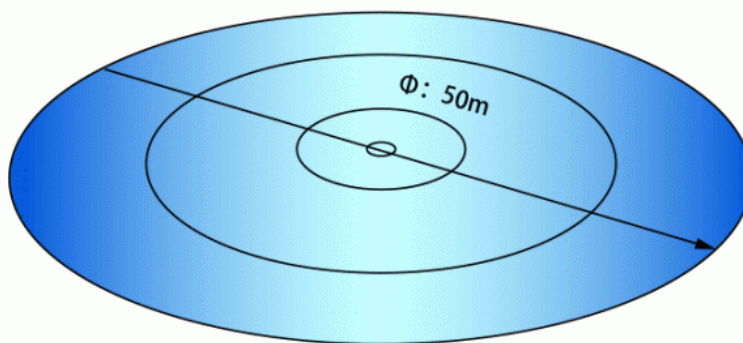
5G WiFi (11ac)

01 Have a faster network and solve congestion

1. More channels: The 11ac protocol supports more than 100 channels.
2. Larger channel bandwidth: The transmission bandwidth of each channel reaches up to 80M.
3. Higher transmission speed: MU-MIMO technology is very convenient to achieve a transmission speed of 2600Mbps, or even higher.

02 Better signal quality, less interference

The 5G WiFi (11ac) band is less used and radio interference is greatly reduced, signal quality is greatly improved.



5G WiFi (11ac) supports more channel bands and has a faster network. The 5G WiFi (11ac) ViMatrix has a maximum transmission rate of 2,600 Mbps, easily covering a spherical range of 50 meters in diameter, and is suitable for teaching activities.



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