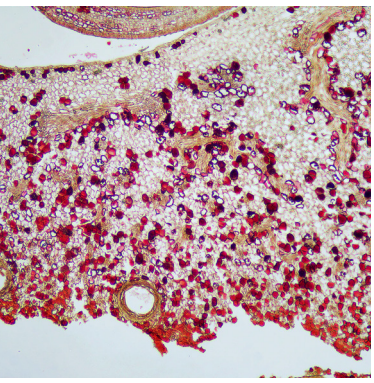
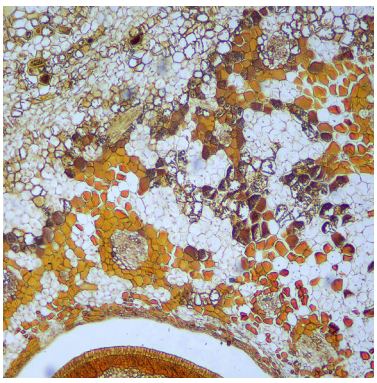
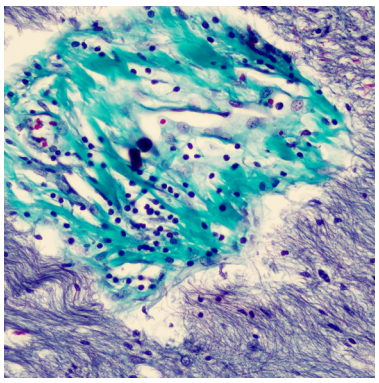
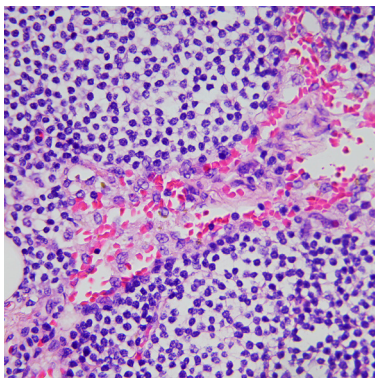
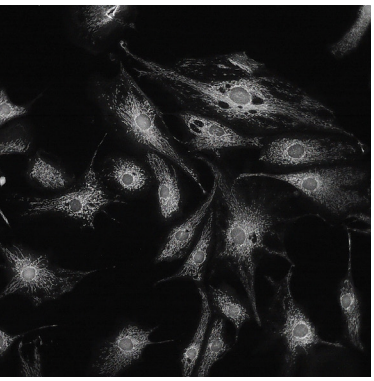
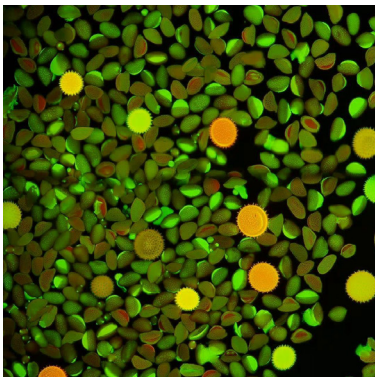
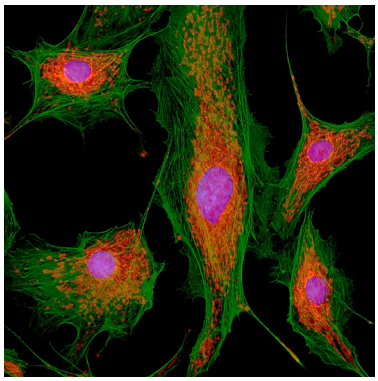
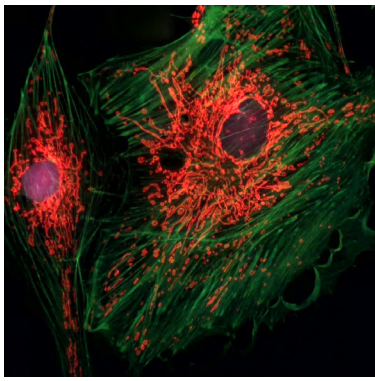
KoPa®

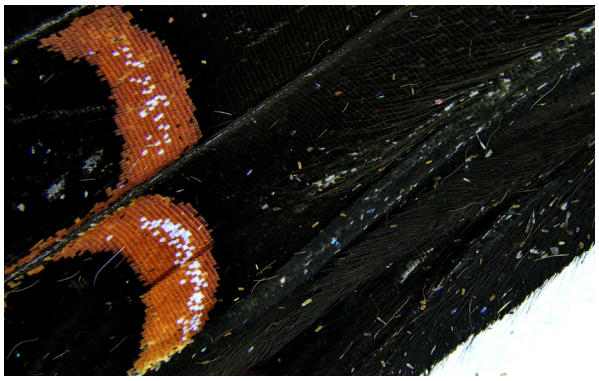
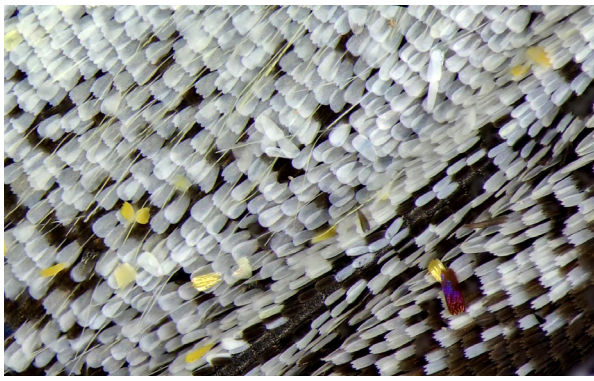
Microscope Camera Solutions

For Evident (Olympus) Life Science

INNOVATED FOR TOP BRAND MICROSCOPES

Create a Stunning Microscope Imaging System for You

https://www.ostec.com.cn/

For Trinocular Upright Microscopes

Applicable Models:

BX43,BX46,BX53,BX63, etc.

Solution ④

5G WiFi Multiviewing Workstation

With 0.43X tube lens

Solution ⑤

Dual Sensor Camera

With 0.63X tube lens

Function Comparison

● Standard ○ Optional – N/A

	Solution④	Solution⑤
Built-in Android OS	–	–
Pre-installed Office suits	–	–
15.6''high color gamut monitor	–	–
Image output methods		
5G WiFi	●	●
USB	–	●
HDMI or DP	–	–
Network	●	●

Solution④ Multi-View Workstation

Features & Benefits

Pain points of traditional co-view microscopes:

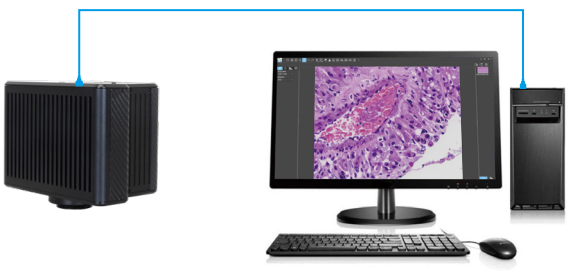
- Poor Image Quality;
- Struggles with Installation and Maintenance;
- Large Space Requirements;
- High Cost;

Multi-view workstation help you easily solve these problems

- Thanks to a number of patented technologies, the newly developed camera, 5G WiFi module, PC software and APP are ingeniously integrated to a powerful 5G WiFi multiviewing workstation, which can be used immediately after booting.
- Automatically avoid congested channels, ultra-low latency, and no lag. Support for a single network 60+ users.
- Easily acquire live-image by scanning QR code, take photos and record at any time.
- Costeffective , fast install , plug and play.

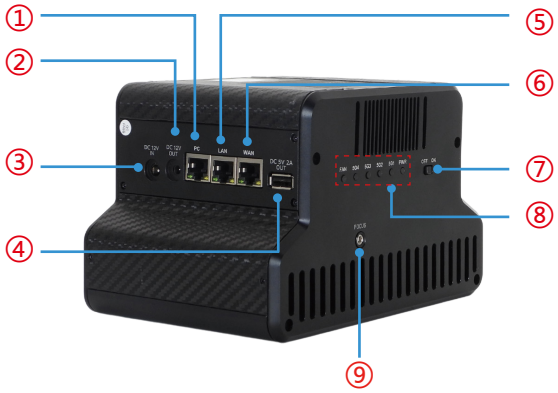
Network output

Connect the camera to your computer via a network cable.



5G WiFi output

Output to a mobile phone or tablet over 5G WiFi for real-time image viewing or video capture.



①	PC network output	It is connected to a computer through a network cable, and the computer side can capture images through software.
②	Power output	Can power microscope (output voltage 12V, output current max. 1A).
③	Power input	DC 12V 5A
④	USB2.0 interface	Power supply for microscope is available (output voltage is 5V, maximum output current is 2A).
⑤	LAN network output	It is connected to a computer through a network cable, and the computer side can capture images through software.
⑥	WAN network output	Supports to connect to Internet by a network cable.
⑦	Power switch	Switch on/off.
⑧	Indicator light	Indicates fan operation, 5G WiFi module operation status, and power status.
⑨	Easy focus with allen key (Only for 0.43X tube lens camera)	Simple and precise focus adjustment for synchronization between eyepiece and monitor.

Specifications

Applicable to	Evident	Evident
Models	CG12	CG12
C-mount category	MW-C-12	MW-C-20
With 0.43X reduction lens category	MW-A-12	MW-A-20
Physical resolution	12.0MP	20.0MP
Image sensor	SONY IMX412 CMOS	SONY IMX147 CMOS
Exposure mode	Rolling Shutter	Rolling Shutter
Maximum resolution	4000×3000 (12,000,000Pixels)	5184×3888 (20,155,392 Pixels)
ISO sensitivity	Equivalent to 100-12800	Equivalent to 100-12800
Sensor size	1/2.3''	1/2.3''
Pixel size	1.55μm×1.55μm	1.2μm×1.2μm
Spectral response	380-650nm	380-650nm
Exposure capability	Real-time auto and manual adjustment	Real-time auto and manual adjustment
Exposure time	10μs-333ms	10μs-333ms
White balance	Real-time auto and manual RB adjustment	Real-time auto and manual RB adjustment
Preview resolution	4000×3000@30fps,3840×2160@30fps	5184×3888@10fps,3840×2160@15fps
Power supply	DC 12V 5A	DC 12V 5A
Wireless protocol	5G WiFi IEEE802.11ac	5G WiFi IEEE802.11ac
A/D convertsion bit depth	12bit	12bit
Software and App	Windows Software:KoPa WiFi Lab, App:KoPa WiFi Lab	

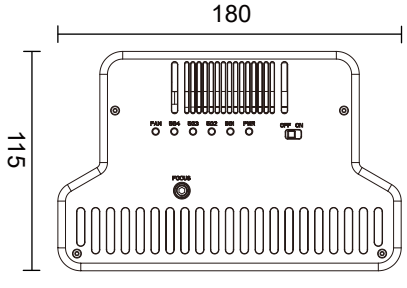
Accessories

Power adapter and power cord
(Optional Chinese, American, European, Australian, Korean, British standard etc.)

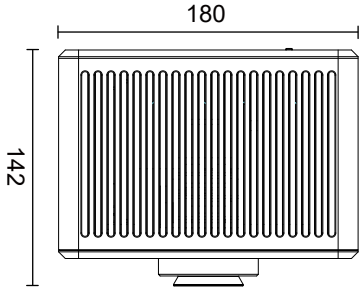
Gigabit Ethernet cable

Dimensions(Unit:mm)

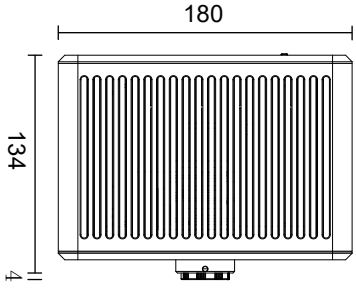
Net weight ≈2kg



Camera with 0.43X tube lens



Camera with C-mount



Certifications

1. Comply with FCC certification of The US Federal Communication Commission.
2. Comply with European (standard) safety CE certification.
3. Comply with the MIC certification issued by the Ministry of Internal Affairs and Communications of Japan (Electric Wave Method and Electro-Optical Communication Business Law).
4. Comply with JATE certification of Japanese telecommunications law directive.
5. Comply with the “Directive on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment” (RoHS) Directives in accordance with EU legislation.

Evaluation object	Certification	Certificate File Name & Report	Certificate number & corresponding report number
WF01A(5G WiFi 11ac)module Certification	US FCC Report	SZEM180100024801-5G wifi RPT-WF01A FCC Report	SZEM180100024801
		SZEM180100024802-RT-WF01A FCC Report	SZEM180100024802
		Appendix A-Photographs of EUT Constructional Details for SZEM1801000248CR-FCC	SZEM1801000248CR
	US FCC ID Certification	2AFO3WF01A_NII-WF01A FCC ID	2AFO3WF01A
	EU CE report	SZEM180100024901 EN301489 RPT-WF01A CE Report	SZEM180100024901
		SZEM180100024902 WIFI5G RPT-WF01A CE Report	SZEM180100024902
	Japanese MIC Certification	CSRT180084-WF01A Japanese MIC Certification	CSRT180084
	Japanese JATE Certification	CSTT180018-WF01A Japanese JATE Certification	CSTT180018

Patented

Patent category	Patent name	Patent number
Design patent	Electronic eyepiece	ZL 2015 3 0193227.8
	Wireless electronic eyepiece	ZL 2015 3 0193223.X
	Electronic eyepiece with spectroscopic system	ZL 2019 3 0331144.9
	Microscope (with splitting prism camera)	ZL 2019 3 0717439.X
	Microscope with camera	ZL 2019 3 0717442.1
Utility model patents	WiFi microscope eyepiece	ZL 2015 2 0296469.4
	Electronic eyepiece	ZL 2015 2 0426409.X
	Wireless electronic eyepiece	ZL 2015 2 0426313.3
	Microscope with displayer	ZL 2019 2 0928962.1
	Electronic eyepiece with splitting prism system	ZL 2019 2 1022863.3

Software copyright

Category	Name of software	Platform	License number
Computer software copyright registration certificate	KoPa Capture Pro	Windows	2021SR1287730
	KoPa WiFi Lab AO	Android	2021SR1304520
	KoPa WiFi Lab	Android	2019SR0117768
		iOS	2019SR0028558
	KoPa View	Linux	2024SR1617066

KoPa® GuangZhou Ostec Electronic Technology Co.,Limited
Manufacturer: No.8 West Lane, Jiangcheng Road, Bangjiang East Village,Dalong street, Panyu District, Guangzhou, China.

High-Tech Enterprise certificate number：GR202344009665

ISO9001 Verification No:00223Q26818R3S

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