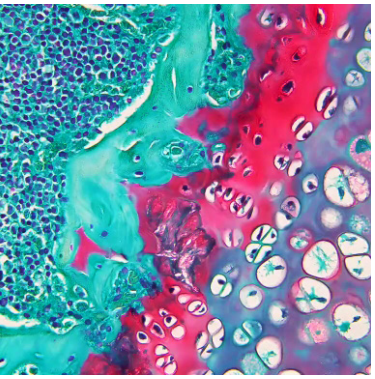
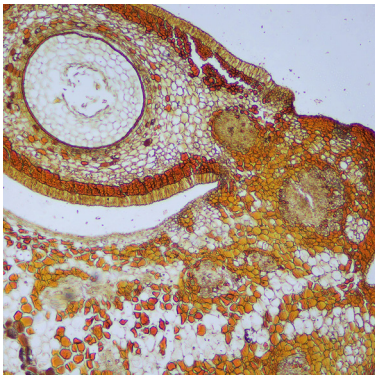
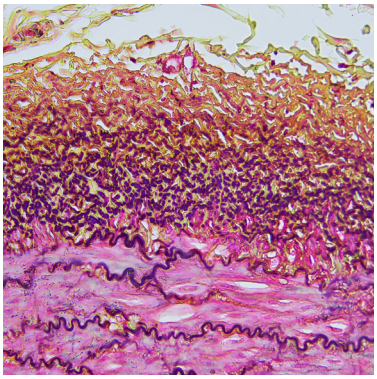
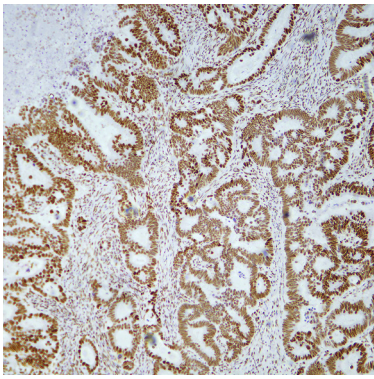
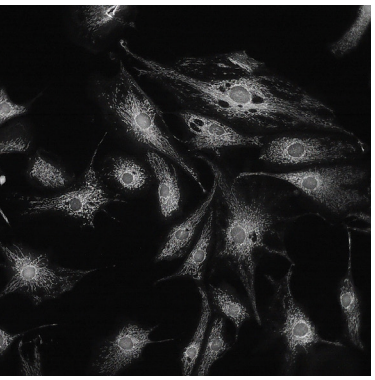
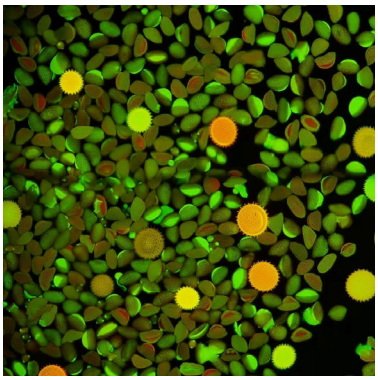
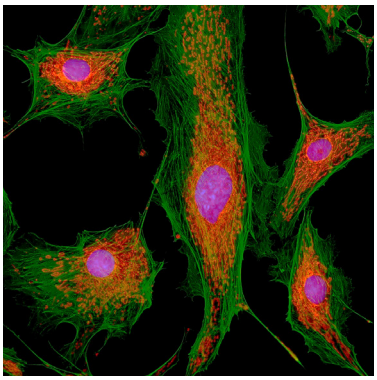
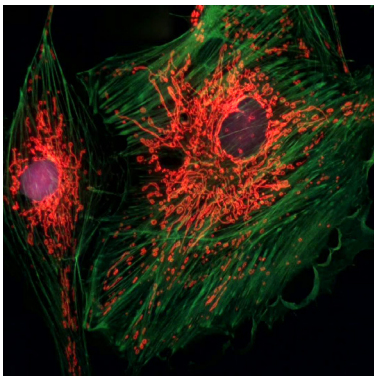
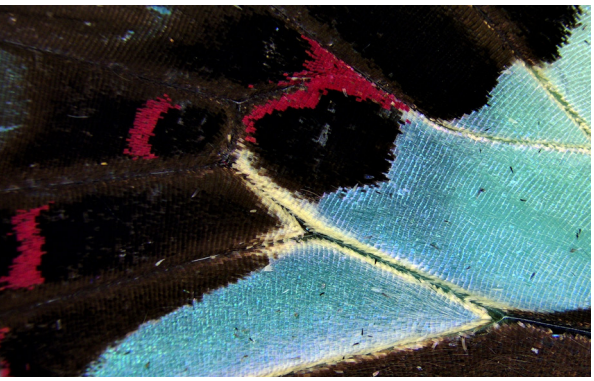
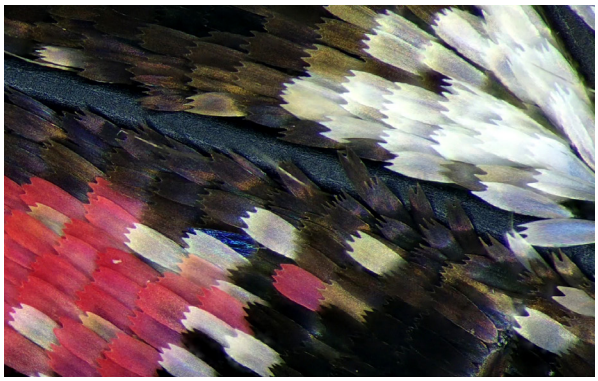
KoPa®

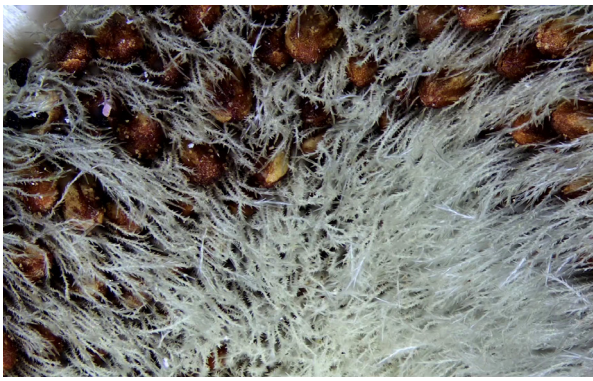
Microscope Camera Solutions

For Leica Biological Microscope

INNOVATED FOR TOP BRAND MICROSCOPES

Create a Stunning Microscope Imaging System for You



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

For Binocular Stereo Microscopes

Applicable Models:
M50,M80,M125,M165.

Embedded beam splitter
With 0.43X tube lens

Can be matched with the following models

Option A
Measuring Camera
C-mount

Option B
WiFi Camera
C-mount

Option C
Smart Camera
C-mount

Function Comparison

● Standard ○ Optional – N/A

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

Embedded Beam Splitter

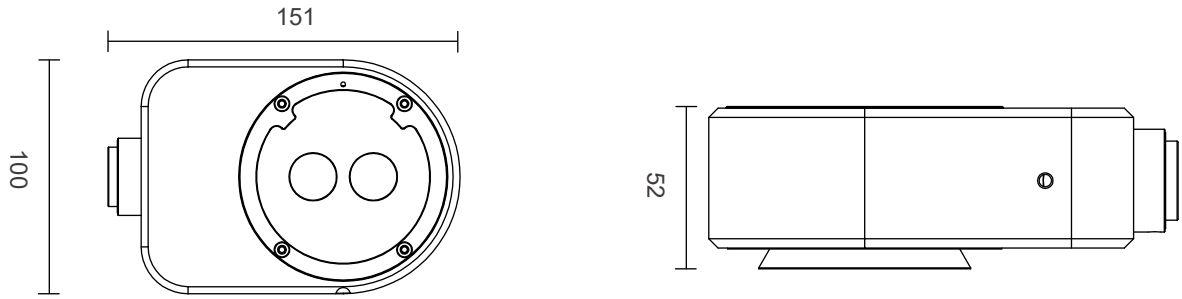
Features

- Features a 50:50 light-splitting design that preserves the original optical system.
- Professional NPBS beam splitter prism to ensure true color reproduction.
- Includes a high-power 0.43X tube lens for a wide field of view.

Model

Applicable to	Leica
Model	PA043LT

Dimensions(Unit:mm)



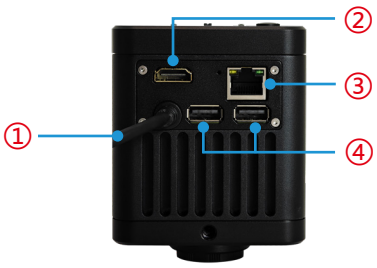
Option A Measurement Camera

USB output / Network output

Connect the computer via USB /network cable by using software" KoPa Capture Pro".

HDMI output

Connect the camera to a monitor or large TV via HDMI cable with OSD "KoPa View".



①	USB output/ power supply	Two in one: data transmission and power supply.
②	HDMI output	OSD "KoPa View" is available for image control .etc.
③	Network output	Connects to a computer via a network cable, suitable for wired long distance image transmission .
④	USB 2.0 interface	Can be connected to a mouse , keyboard, USB stick.
⑤	USB/OFF/Network working mode switching	Two working modes switching.

Specifications

Models	MC2000
C-mount category	AJ-C-08
Physical resolution	8.3MP
Image sensor	SONY IMX678 CMOS
Sensor size	1/1.8''
Pixel size	2μm×2μm
A/D convertsion bit depth	12bit
Exposure time	10us~10s
Exposure mode	Rolling shutter
ISO sensitivity	Equivalent to 100-12800
Spectral response	400-650nm
Exposure capability	Real-time automatic and manual adjustment
White balance	Real-time automatic and manual RB adjustment
Power supply	DC 5V 2A
Video recordings	3840×2160@60fps 1920×1080@60fps
HDMI output	3840×2160@60fps 1920×1080@60fps
USB output	3840×2160@60fps 1920×1080@60fps
Network output	3840×2160@60fps 1920×1080@60fps
Software and App	Windows Software: KoPa Capture Pro, OSD: KoPa View

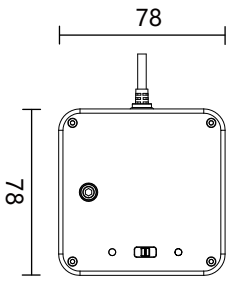
Accessories

HDMI cable

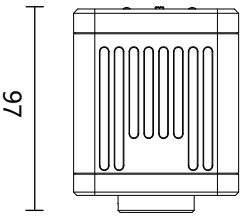
Wired mouse

Dimensions(Unit:mm)

Net weight ≈0.8kg



Camera with C-mount



Option B WiFi Camera

Features & Benefits

5G WiFi output, network output

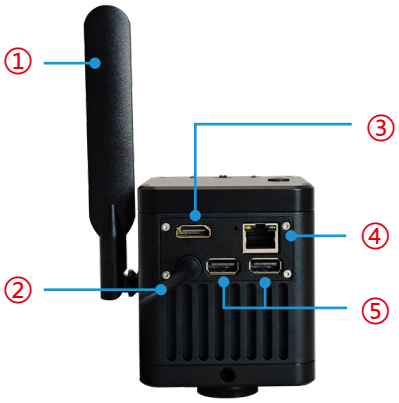
Compatible with various devices and operating systems, including Windows, iOS, and Android.
Mobile devices can access the system by scanning a QR code.
Connects to a computer via a network cable, suitable for wired long distance image transmission.

HDMI output

Connect the camera to a monitor or large TV via HDMI cable with OSD "KoPa View".

USB output

Connect the computer via USB /network cable by using software" KoPa Capture Pro".



①	5G WiFi antenna	5G WiFi signal transmission to connect the camera to capture images or control the camera
②	USB Output/ Power Supply	Two in one: data transmission and power supply
③	HDMI output interface	The display device is connected and the image can be displayed, but the image cannot be controlled
④	Network pork	Connects to a computer via a network cable, suitable for wired long distance image transmission
⑤	USB2.0 interface	Can be connected to a mouse (for controlling KoPa View software), keyboard, USB stick (for storing videos and images)
⑥	USB/OFF/WiFi Working mode switching	Two working modes switching

Specifications

Models	CF48
C-mount category	BJ-C-08
Physical resolution	8.3MP
Image sensor	SONY IMX678 CMOS
Sensor size	1/1.8''
Pixel size	2μm×2μm
A/D convertsion bit depth	12bit
Exposure time	10us~10s
Exposure mode	Rolling shutter
ISO sensitivity	Equivalent to 100-12800
Spectral response	400-650nm
Exposure capability	Real-time automatic and manual adjustment
White balance	Real-time automatic and manual RB adjustment
Power supply	DC 5V 2A

Video recordings	3840×2160@60fps 1920×1080@60fps
HDMI output	3840×2160@60fps 1920×1080@60fps
USB output	3840×2160@60fps 1920×1080@60fps
Network output	3840×2160@60fps 1920×1080@60fps
Software and App	Windows Software: KoPa Capture Pro, OSD: KoPa View, App: KoPa WiFi Lab

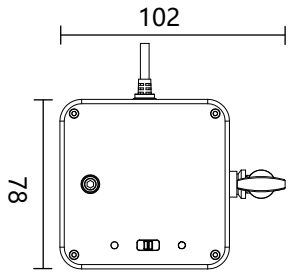
Accessories

HDMI cable

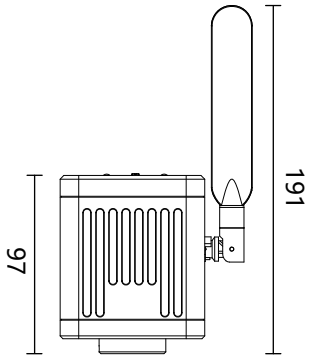
Wired mouse

Dimensions(Unit:mm)

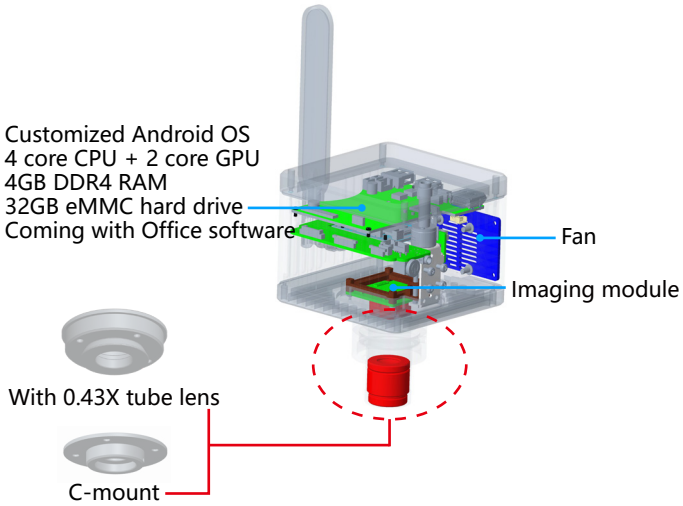
Net weight ≈1kg



Camera with C-mount



Features & Benefits



- Built-in operating system Android processor RK3399, office suit(Word,Excel, Powerpoint) are preinstalled, no need computer.
- Comes with an imaging app that displays live images upon startup.
- Includes a high-power 0.43X tube lens for a wide field of view.
- 32GB built-in eMMC with support for external U-disk storage for pictures and videos.
- USB interface allows for easy connection of keyboards and mouse.

5G WiFi and DP are simultaneous outputs

5G WiFi output

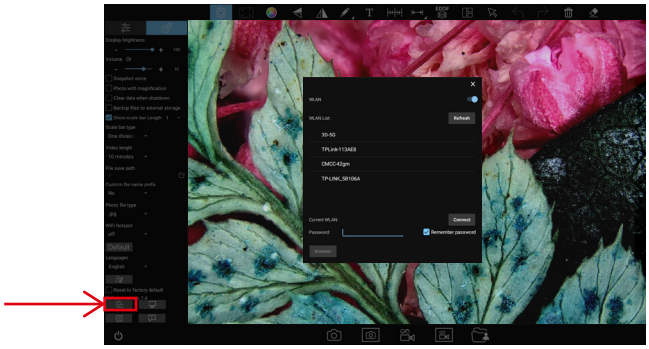
Compatible with various devices and operating systems, including Windows, iOS, and Android. Mobile devices can access the system by scanning a QR code. connects to PC via WiFi.

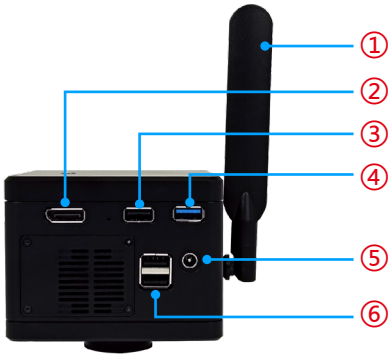
DP output

With DP output for display on monitors,Tvs and projectors.

Connecting to the Internet

The camera supports wireless Internet connection (only supports 5G WiFi router signal), by entering the password of any 5G WiFi network , you can directly open the browser to access the Internet.
This will allow you to take advantage of online features and functionalities directly from your camera.





①	5G WiFi antenna	5G WiFi signal transmission to connect the camera to capture images or control the camera
②	DP output interface	Transmission via DP cable, connected to a display device
③	USB3.0 interface	Can be connected to a mouse, keyboard, USB flash drive (for copying videos and images)
④	USB2.0 interface	
⑤	Power input	DC 12V 3A
⑥	USB2.0 interface	Can be connected to a mouse, keyboard, USB flash drive (for copying videos and images)
⑦	Headphone and microphone ports	Connect with headset cable for audio output
⑧	Power switch	Switch on/off

Specifications

Models	TE2000
C-mount category	CJ-C-08
Physical resolution	8.3MP
Image sensor	SONY IMX678 CMOS
Sensor size	1/1.8''
Pixel size	2μm×2μm
A/D convertsion bit depth	12bit
Exposure time	10us~10s
Exposure mode	Rolling shutter
ISO sensitivity	Equivalent to 100-12800
Spectral response	400-650nm
Exposure capability	Real-time automatic and manual adjustment
White balance	Real-time automatic and manual RB adjustment
Power supply	DC 12V 3A
Video recordings	3840×2160@30fps 1920×1080@30fps
HDMI output	3840×2160@30fps 1920×1080@30fps
USB output	3840×2160@30fps 1920×1080@30fps
Network output	3840×2160@30fps 1920×1080@30fps
Software and App	Windows Software:KoPa Capture Pro,Embedded software:KoPa WiFi Lab AO,App:KoPa WiFi Lab

Accessories

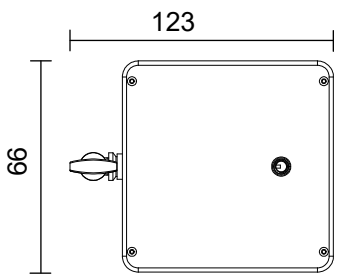
Power adapter and power cord
(Optional Chinese, American, European, Australian, Korean, British standard etc.)

DP cable

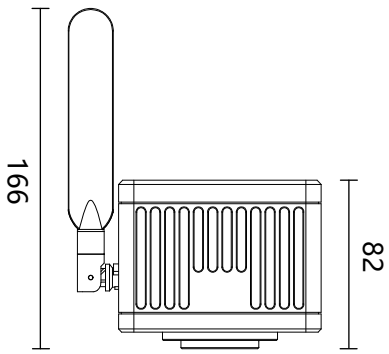
Wired mouse and keyboard

Dimensions(Unit:mm)

Net weight ≈1.3kg



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

V1.2 2025.05