KoPa®

Microscope Camera Solutions

For Nikon Healthcare

INNOVATED FOR TOP BRAND MICROSCOPES

Create a Stunning Microscope Imaging System for You

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

For Trinocular Upright Microscopes

Applicable Models:

ECLIPSE Ci,Ci-E,Ci-L plus,Ci-S,
Ni-E,Ni-L,Ci-POL, LV100N POL

Solution ①

Smart Display Camera
C-mount

Solution ②

Smart Camera
C-mount

Solution ③

USB Camera
C-mount

Function Comparison

● Standard ○ Optional – N/A

	Solution①	Solution②	Solution③
Built-in Android OS	●	●	–
Pre-installed Office suits	●	●	–
15.6"high color gamut monitor	●	–	–
Image output methods			
WiFi	●	●	–
USB	–	–	●
DP	●	●	–
Network	–	–	–

Solution① Smart Display Camera

Build a PC-free Imaging System for Your Microscope

Features & Benefits

- Built-in operating system Android processor RK3588-S, office suit(Word,Excel, Powerpoint) are preinstalled, no need computer.
- Integrated with 15.6" high brightness, wide color gamut and blue light filtered ISP display.
- Comes with an imaging app that displays live images upon startup.
- 64GB built-in eMMC with support for external U-disk storage for pictures and videos.
- USB interface allows for easy connection of keyboards and mouse.

WiFi and DP are simultaneous outputs

WiFi output

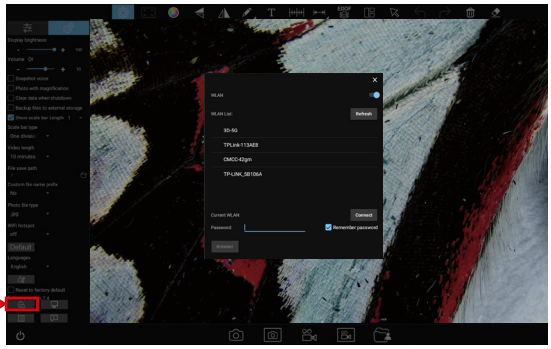
Compatible with various devices and operating systems, including Windows, iOS, and Android. Mobile devices can access the system by scanning a QR code. connects to PC via WiFi.
WiFi operating bands: 5G (5.180–5.825 GHz); 6G (5.925–6.425 GHz, 6.425–7.125 GHz), manually switchable, select one of two.

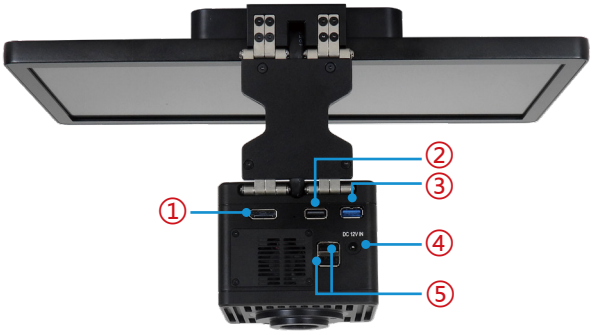
DP output

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

Connecting to the Internet

The camera supports wireless Internet connection (only supports WiFi router signal), by entering the password of any 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	DP output interface	Transmission via DP cable, connected to a display device
②	USB 2.0 interface	Can be connected to a mouse, keyboard, USB flash drive (for copying videos and images).Or you can use the manufacturer's optional USB to DC5V power cord to power the Ei and Si
③	USB 3.0 interface	
④	Power input	DC 12V 3A
⑤	USB 2.0 interface	Can be connected to a mouse, keyboard, USB flash drive (for copying videos and images).Or you can use the manufacturer's optional USB to DC5V power cord to power the Ei and Si
⑥	WiFi antenna	WiFi signal transmission to connect the camera to capture images or control the camera
⑦	Power switch	Switch on/off

Specifications

15.6" high brightness, wide color gamut and blue light filtered ISP display.

Number of pixels	3840(horizontal) x 2160 (vertical)
Pixels arrangement	RGB vertical stripe
Colour gamut	100% Adobe RGB(135%sRGB)
Display number of colors	16.7M(8Bit)
Surface treatment	Anti-glare
Surface hardness	3H
Viewing angel range	170 horizontal, 170 vertical
Contrast	1500 : 1
Brightness	1000cd/㎡ (average of 5 points)

Models	JX200
Category	DJ6E-C-50
Physical resolution	50.3MP
Image sensor	SONY IMX06A CMOS
Exposure mode	Rolling Shutter
Maximum resolution	8192×6144 (50,331,648Pixels)
ISO sensitivity	Equivalent to 100-12800
Sensor size	1/0.98"
Pixel size	1.6μm×1.6μm
Spectral response	380-650nm
Exposure capability	Real-time auto and manual adjustment
Exposure time	100us-333ms
White balance	Real-time auto and manual RB adjustment
Preview resolution	8128×6144@16fps, 4096×3072@60fps
Photo resolution	8192×6144, 8128×6144, 8128×4608, 4096×3072, 4096×2304
Power supply	DC 12V 3A
Wireless version	WiFi 6E (IEEE802.11ax)
A/D convertsion bit depth	10bit
Software and App	Windows Software:KoPa Capture Pro,Embedded software:KoPa WiFi Lab AO,App:KoPa WiFi Lab

Accessories

Power adapter and power cord

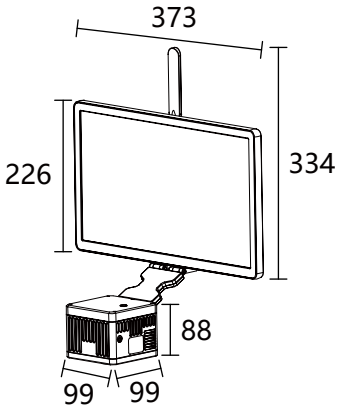
(Optional Chinese, American, European, Australian, Korean, British standard etc.)

USB mouse and keyboard

Dimensions(Unit:mm)

Net weight ≈2kg

Camera with C-mount



Solution② Smart Camera

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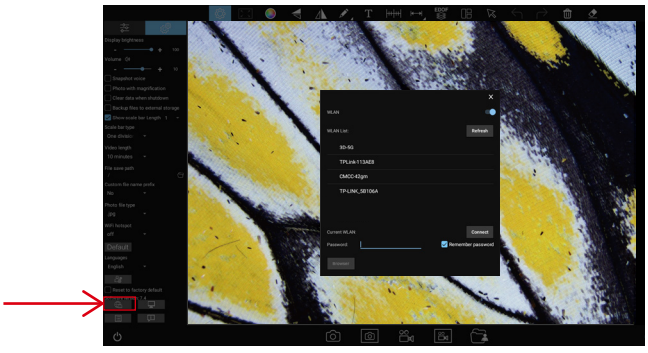

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④	USB 3.0 interface	
⑤	Power input	DC 12V 3A
⑥	USB2.0 interface	Can be connected to a mouse, keyboard, USB flash drive (for copying videos and images)
⑦	Power switch	Switch on/off

Specifications

Models	TE2000
Category	CJ6E-C-50
Physical resolution	50.3MP
Image sensor	SONY IMX06A CMOS
Exposure mode	Rolling Shutter
Maximum resolution	8192×6144 (50,331,648Pixels)
ISO sensitivity	Equivalent to 100-6400
Sensor size	1/0.98"
Pixel size	1.6μm×1.6μm
Spectral response	380-650nm
Exposure capability	Real-time auto and manual adjustment
Exposure time	100us-333ms
White balance	Real-time auto and manual RB adjustment
Preview resolution	8128×6144@16fps, 4096×3072@60fps
Photo resolution	8192×6144, 8128×6144, 8128×4608, 4096×3072, 4096×2304
Power supply	DC 12V 3A
Wireless version	WiFi 6E (IEEE802.11ax)
A/D convertsion bit depth	10bit
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

USB mouse and keyboard

Desktop Monitor (without operating system, optional accessory)

15.6" high brightness, wide color gamut and blue light filtered ISP display

Number of pixels: 3840 x 2160 P60

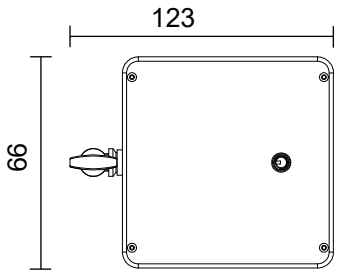
Colour gamut: 100% Adobe RGB(135% sRGB)

Contrast: 1500:1

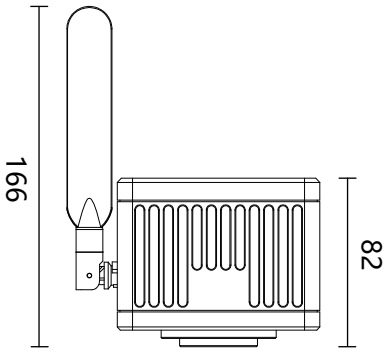
Brightness: ≥1000cd/㎡(average of 5 points)

Dimensions(Unit:mm)

Net weight ≈1.3kg



Camera with C-mount



Solution ③ USB Camera

USB output

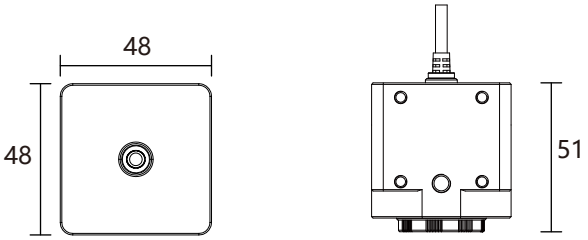
Connect to a computer via USB cable and use the software “KoPa Capture Pro”.

Specifications

Models	MC2000-MC
Category	A1-C-I20
Physical resolution	20.0MP
Image sensor	IMX283 CMOS
Exposure mode	Rolling Shutter
Maximum resolution	5496×3672 (20,181,312Pixels)
ISO sensitivity	Equivalent to 100-6400
Sensor size	1"
Pixel size	2.4μm×2.4μm
Spectral response	380-650nm
Exposure capability	Real-time auto and manual adjustment
Exposure time	MJPG：42us~10s；YUV：42us~36s(resolution 5472x3648), 42us~43s(resolution 5472x3072)
White balance	Real-time auto and manual RB adjustment
Preview resolution	MJPG：5472×3648@25fps，3840×2160@30fps；YUV：5472x3648@7.5FPS，5472x3072@7.5FPS
Power supply	DC 5V 2A
A/D convertsion bit depth	10bit
Software and App	Windows Software:KoPa Capture Pro

Dimensions(Unit:mm)

Net weight ≈0.5kg



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High-Tech Enterprise certificate number：
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ISO9001 Verification No:00223Q26818R3S

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