

4K Zoom Video Microscope



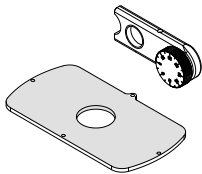
Option A



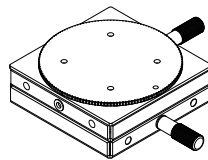
Option B (integrated with 15.6-inch display)



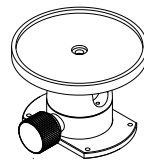
Option C (integrated with 15.6-inch display & Android system)



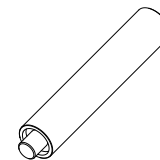
Polarizing component



XY moving stage



Universal ball head



Extension column

Product Advantages

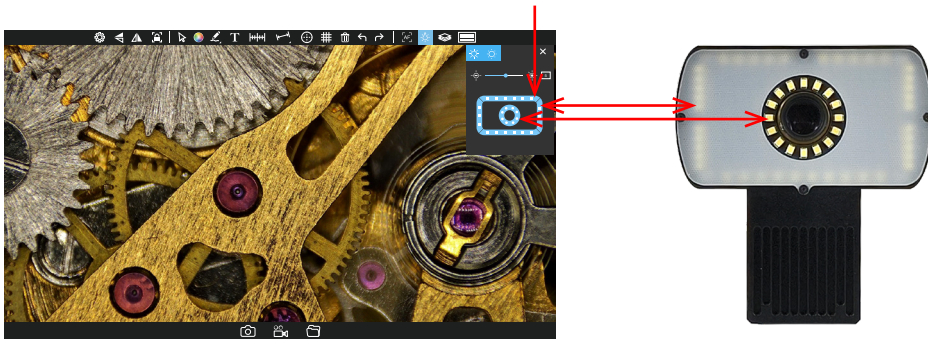
4K P60, dual output via HDMI 2.0 + USB 2.0

- Equipped with a Sony IMX678 1.8" sensor, accurate color reproduction and ultra-low latency;
- Camera automatically adapts to 4K & 1080p display inputs;
- Supports PC software KoPa Capture Pro.

Software-control four-zone ring lighting + near-coaxial lighting

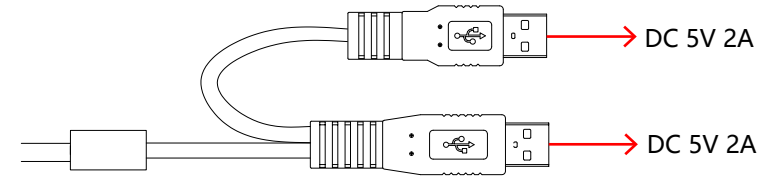
- Ultra-bright LED(> 20,000 hours lifespan);
- Precision brightness & mode adjustment via software-control;
- Independent brightness control for each lighting zone;
- Seamless switching between ring lighting and near-coaxial lighting;
- High CRI ≥87, 6500K color temperature – reduces eye strain during prolonged use.

Lighting control through software



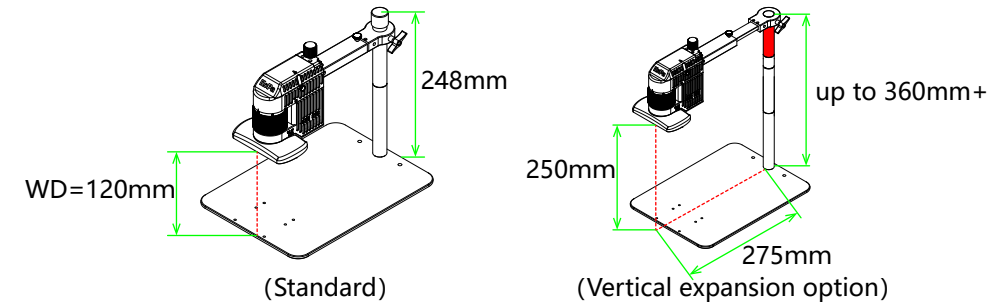
Integrated cable management (combines power supply+ USB output into a single cable)

No external power adapter needed – clean & net



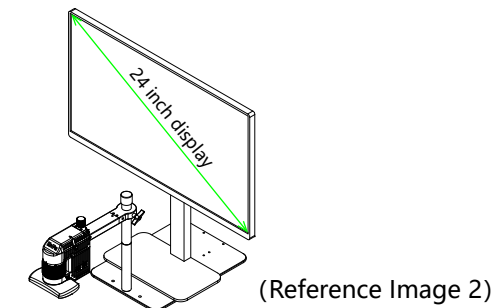
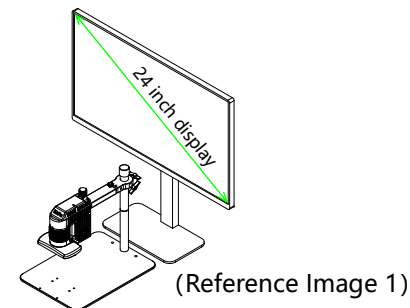
Low-profile design with large working distance

- Extendable crossbar + extension columns (supports multi-level expansion) for flexible workspace adjustment.



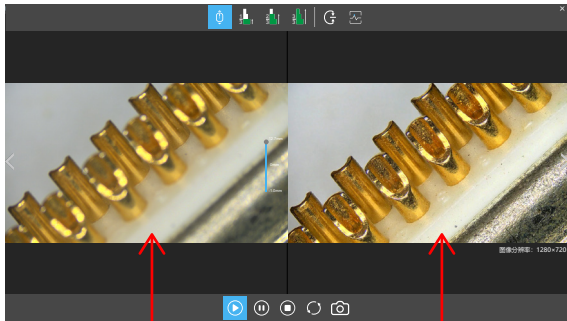
Lightweight: approx. 2.4kg

- The CE210T positions the display at the optimal viewing angle (centered at eye level), ensuring long-term comfort and reduced fatigue during extended use.



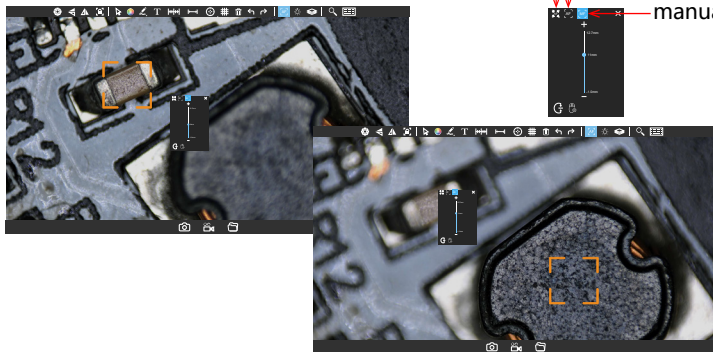
Depth stacking,manual focus/single autofocus/continuous autofocus,calibration-free measurement at fixed magnification

- Seamless switching between auto/manual depth stacking and focus modes,intuitive interface for immediate user proficiency;



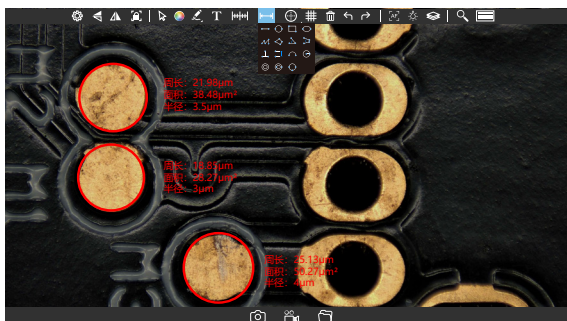
Live preview

Instant depth-stacked image

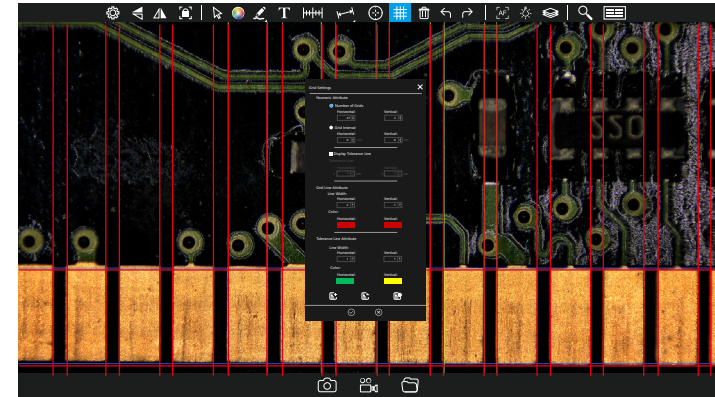


- continuous autofocus
- single autofocus
- manual focus

- 18 Built-in Measurement Tools for Fast, Precise Analysis;

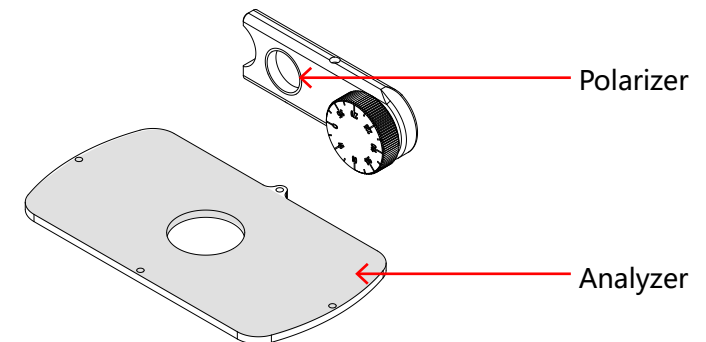


- Matrix Grid Measurement



Overexposure Suppression Technology

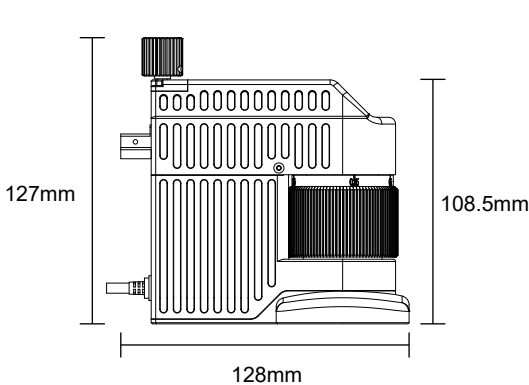
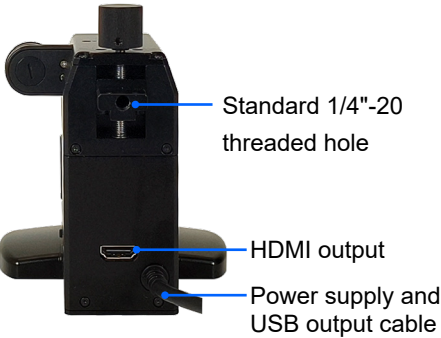
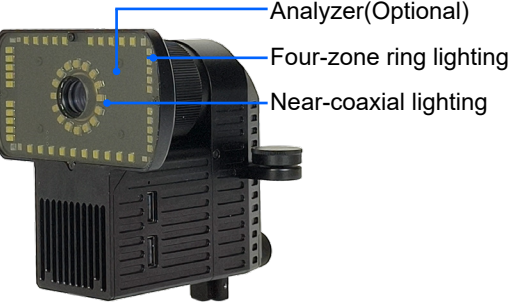
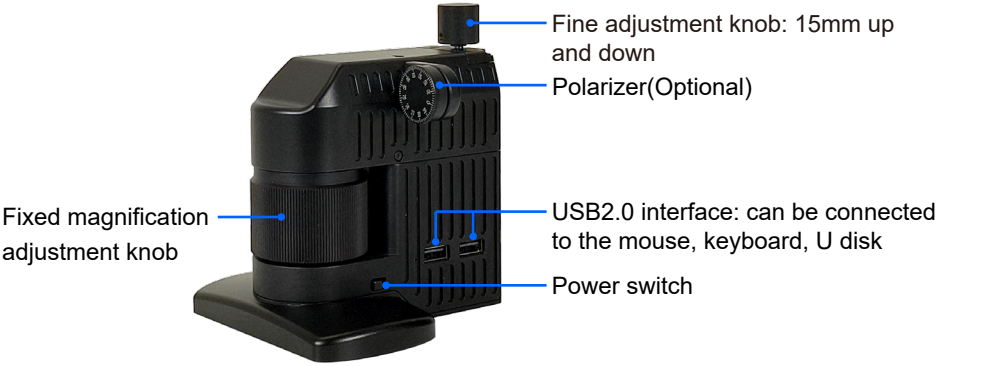
Precision Optical Components,extinction ratio 1000:1,adjustable brightness/darkness



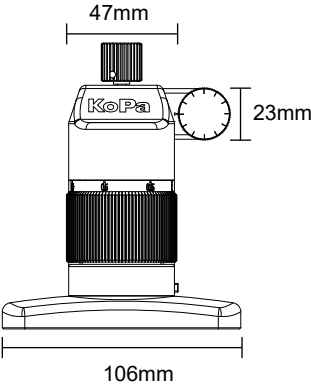
All-in-One Design (Option C Exclusive) Integrated Android OS – No PC required

All-in-One Design - Microscope and Android OS combined in a single device (Option C exclusive),includes office software for immediate documentation; PC-Free operation,eliminates computer costs and desk clutter.

Specifications



Lightweight approx.0.8kg



Optical parameters

Optical magnifications	Working distance (WD)	Field of view (mm) (L*W)
0.3-1.8X	120mm	26.5*14.9 (0.3X)
		4.2*2.4 (1.8X)

***27-inch 4K screen overall magnification: 23-140X (optical + monitor pixel array, i.e., length and width of monitor display/actual size of object to be viewed)**

Near-coaxial lighting

Power (output)	< 3W
Input Voltage	DC 5V
Dimming Method	Dedicated LED control chip, 1~30 steps adjustment
Centre illuminance	2100~5900Lx (at WD120mm)
LED quantity	16 small angle high brightness beads
Colour temperature	6500K
Adjustment method	Software control

Four-zone ring lighting

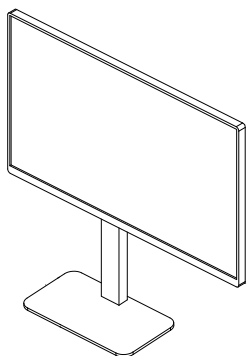
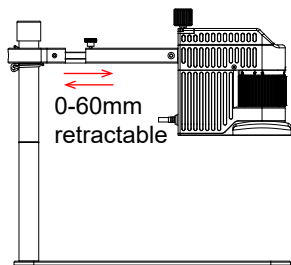
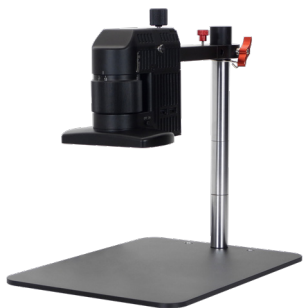
Power (output)	< 5W
Input Voltage	DC 5V
Dimming Method	Dedicated LED control chip, 1~30 steps adjustment
Centre illuminance	2000~12000Lx (at WD120mm)
LED quantity	40 small angle high brightness beads
Colour temperature	6500K
Adjustment method	Software control

***Near coaxial lamp + four-zone ring light maximum illumination: 16600Lx**

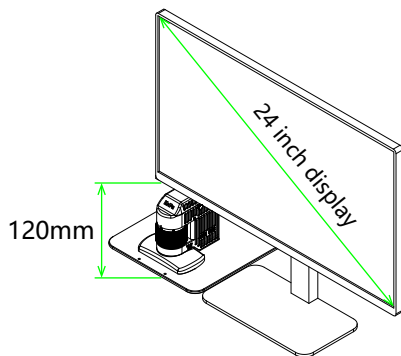
Physical resolution	8.3MP
Image sensor	SONY IMX678 CMOS
Exposure mode	Rolling Shutter
Maximum resolution	3840×2160 (8,294,400 Pixels)
ISO sensitivity	Equivalent to 100-12800
Sensor size	1/1.8"
Pixel size	2μm×2μm
Spectral response	400-650nm
Exposure capability	Real-time auto and manual adjustment
Exposure time	10μs-10s
White balance	Real-time auto and manual RB adjustment
Preview resolution	3840×2160@60fps
Power supply	DC 5V 2A
A/D conversion bit depth	12bit
Software and App	Embedded software: KoPa View; Windows software: KoPa Capture Pro;

Product options:

Option A



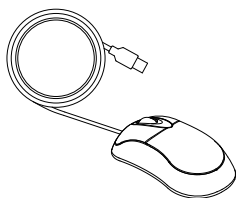
Recommended 24-inch or larger 4K monitor (optional)



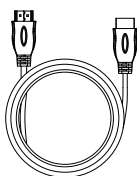
Ultimate Storage Status

» Accessories

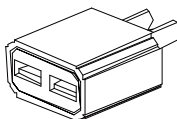
USB mouse



HDMI cable (2 metres)



Power adapter



Option B (integrated with 15.6-inch display)

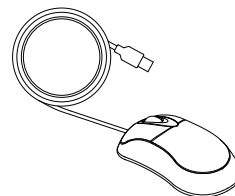


» 15.6-inch display specifications

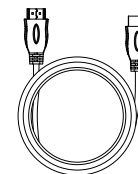
Number of Pixels	1920(Horizontal)*1080(Vertical)
Pixel Arrangement	RGB vertical bar
Colour gamut range	100% (sRGB)
Number of colours displayed	16.7M (8Bit)
Surface Finish	Anti-glare
Surface hardness	3H
Viewing Angle Range	Horizontal 170, Vertical 170
Contrast Ratio	800: 1
Brightness	500cd/m2 (5-point average)

» Accessories

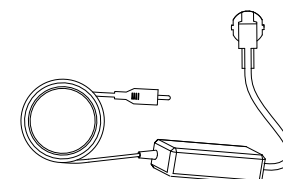
USB mouse



HDMI cable(40cm)



Power adapter

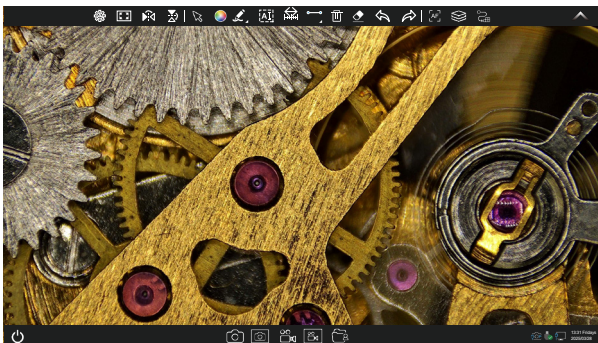


Option C (integrated with 15.6-inch display & Android system)

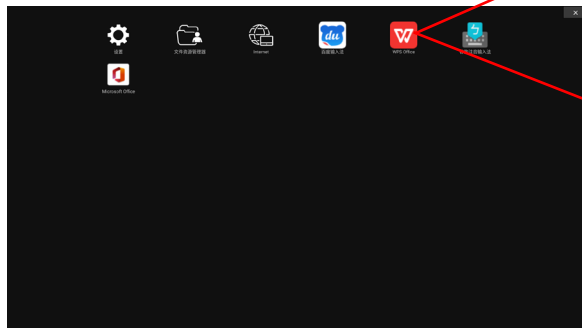


- Deeply customised Android operating system;
- Quad-core CPU + dual-core GPU ,
4GB DDR4 RAM, 32GB eMMC hard drive;
- Support mouse and keyboard operation, save images and videos through USB stick
- Instant Startup, zero Configuration,support HDMI output simultaneously .
- Supports the installation of third-party office software, which can directly generate reports containing pictures and measurement results.

Software interface



Desktop



APP can be installed arbitrarily

15.6-inch display specifications

Number of Pixels	1920(Horizontal)*1080(Vertical)
Pixel Arrangement	RGB vertical bar
Colour gamut range	100% (sRGB)
Number of colours displayed	16.7M (8Bit)
Surface Finish	Anti-glare
Surface hardness	3H
Viewing Angle Range	Horizontal 170, Vertical 170
Contrast Ratio	800: 1
Brightness	500cd/m2 (5-point average)

Accessories

Wired mouse and keyboard



Power adapter

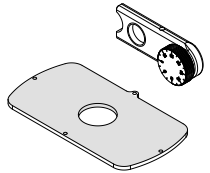


Model list

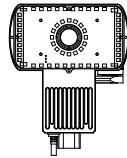
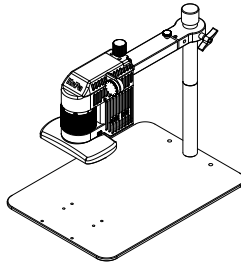
	Option A	Option B	Option C
Model	CE210T		
Category	AJ-08	BJ-08	CJ-08

Optional accessories

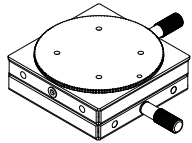
1.Polarizing component



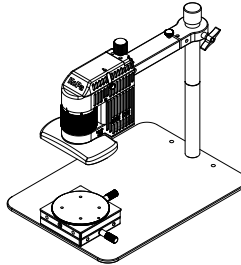
Installation Diagram



2.XY moving stage



Installation Diagram



Effective movement range:

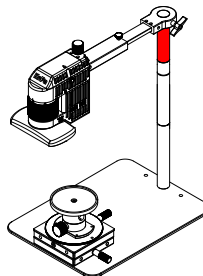
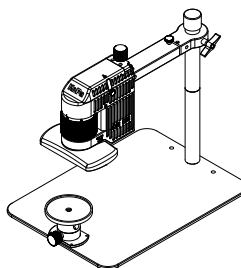
X=25mm

Y=25mm

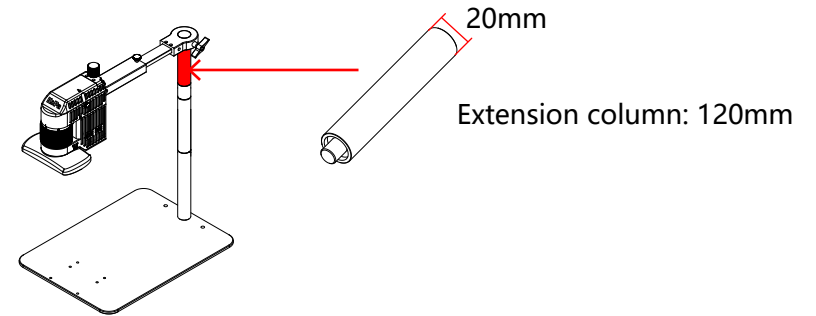
3.Universal ball head



Installation Diagram



4.Extension column



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



High-Tech Enterprise certificate number:
GR202344009665



ISO9001 Verification No:
00223Q26818R3S

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V1.0

2025.07

FCC Caution

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

This device is restricted to indoor use only.

Transmitters in the 5.925-7.125 GHz band are prohibited from operating to control or communicate with unmanned aircraft systems.