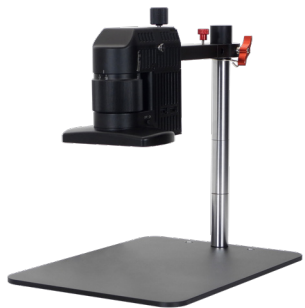


4K Zoom Video Microscope



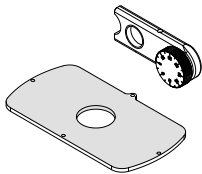
Option A



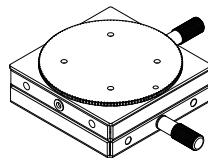
Option B (integrated with 15.6-inch display)



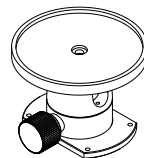
Option C (integrated with 15.6-inch display & Android system)



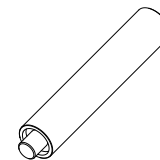
Polarizing component



XY moving stage



Universal ball head



Extension column

Product Advantages

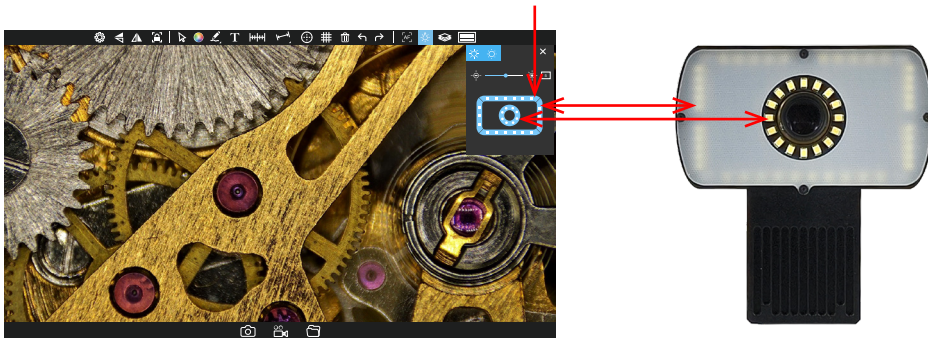
4K P60, dual output via HDMI 2.0 + USB 2.0

- 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

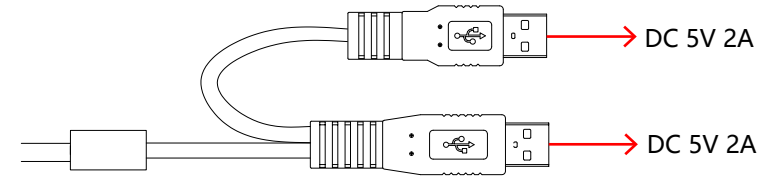
- Ultra-bright LED(> 20,000 hours lifespan);
- Precision brightness & mode adjustment via software-control;
- Independent brightness control for each lighting zone;
- Seamless switching between ring lighting and near-coaxial lighting;
- High CRI ≥87, 6500K color temperature – reduces eye strain during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

Lighting control through software



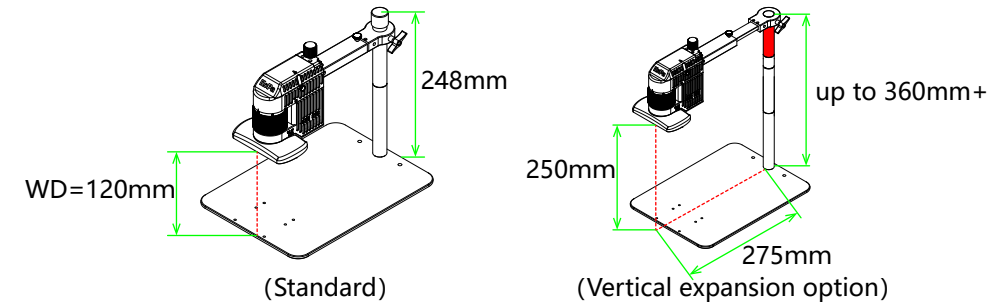
Integrated cable management (combines power supply+ USB output into a single cable)

No external power adapter needed – clean & net



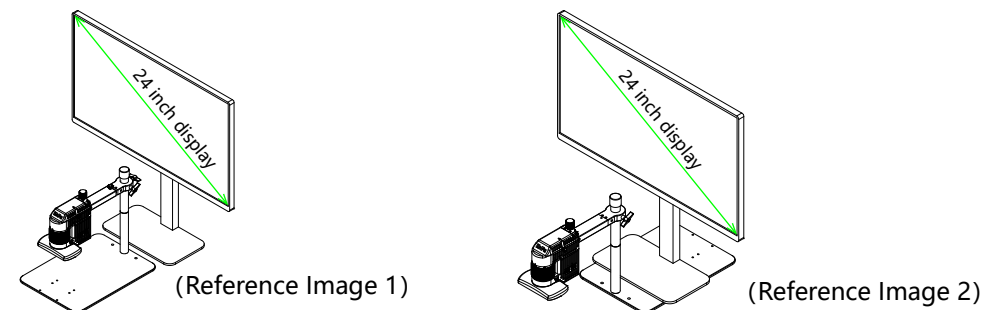
Low-profile design with large working distance

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



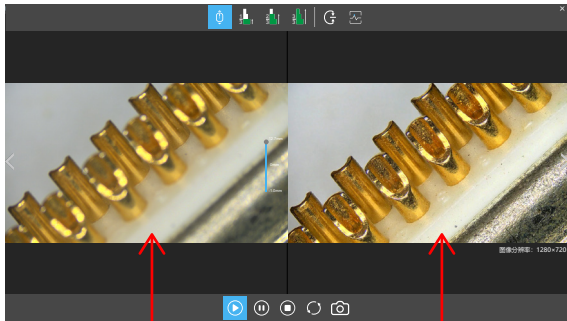
Lightweight: approx. 2.4kg

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



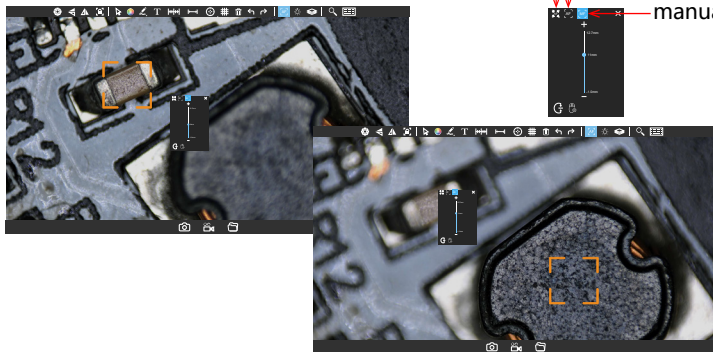
Depth stacking,manual focus/single autofocus/continuous autofocus,calibration-free measurement at fixed magnification

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



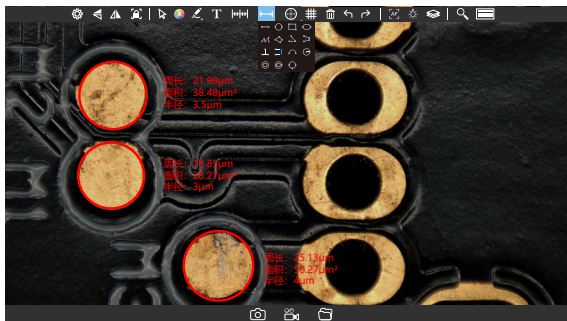
Live preview

Instant depth-stacked image

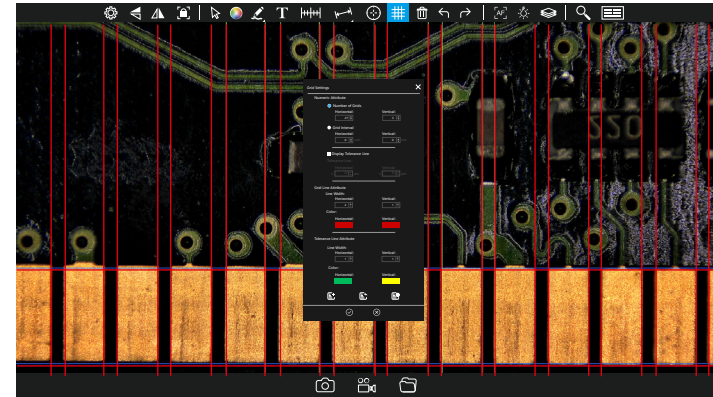


- continuous autofocus
- single autofocus
- manual focus

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

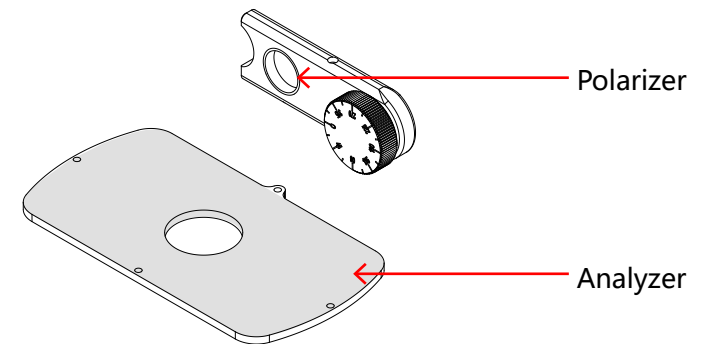


- Matrix Grid Measurement



Overexposure Suppression Technology

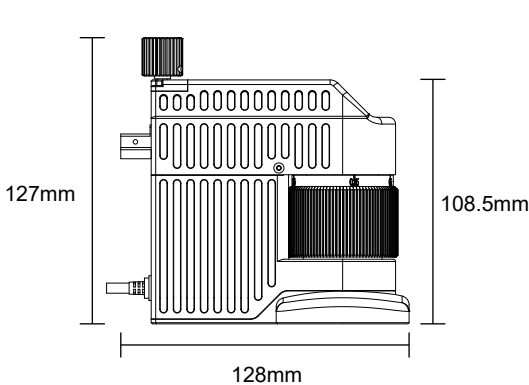
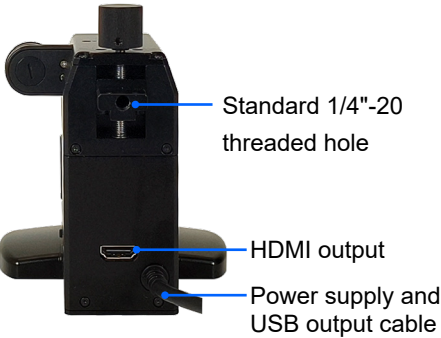
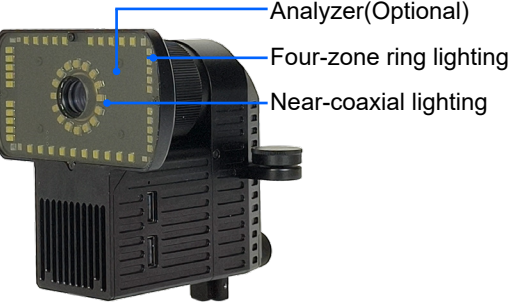
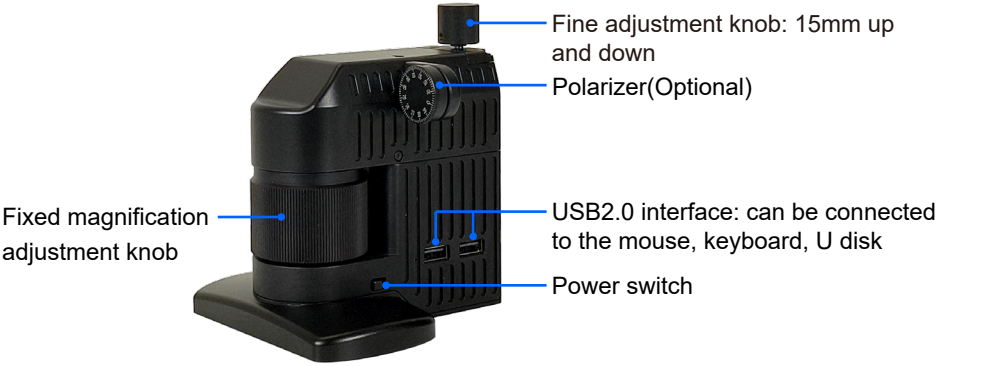
Precision Optical Components,extinction ratio 1000:1,adjustable brightness/darkness



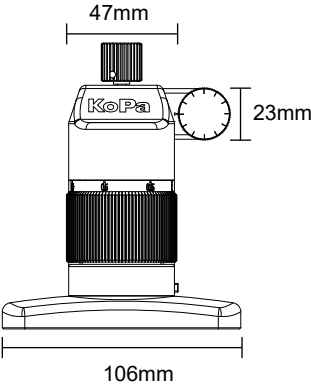
All-in-One Design (Option C Exclusive) Integrated Android OS – No PC required

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

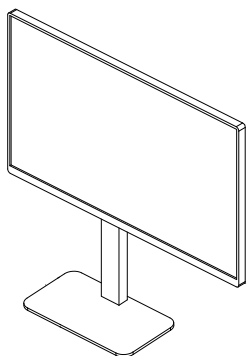
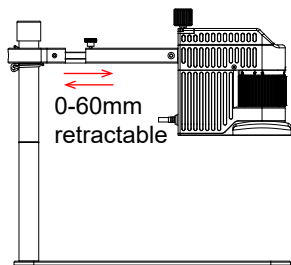
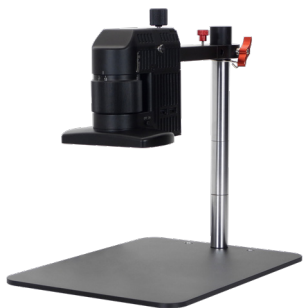
Power (output)	< 5W
Input Voltage	DC 5V
Dimming Method	Dedicated LED control chip, 1~30 steps adjustment
Centre illuminance	2000~12000Lx (at WD120mm)
LED quantity	40 small angle high brightness beads
Colour temperature	6500K
Adjustment method	Software control

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

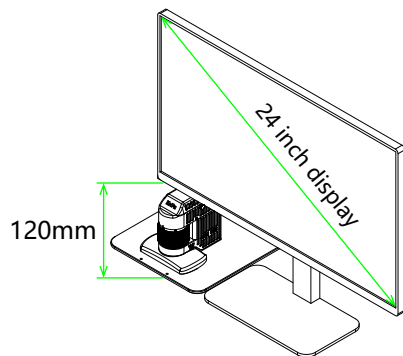
Physical resolution	8.3MP
Image sensor	SONY IMX678 CMOS
Exposure mode	Rolling Shutter
Maximum resolution	3840×2160 (8,294,400 Pixels)
ISO sensitivity	Equivalent to 100-12800
Sensor size	1/1.8"
Pixel size	2μm×2μm
Spectral response	400-650nm
Exposure capability	Real-time auto and manual adjustment
Exposure 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



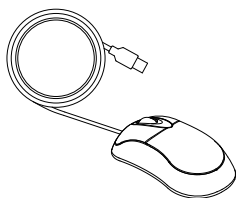
Recommended 24-inch or larger 4K monitor (optional)



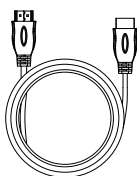
Ultimate Storage Status

» Accessories

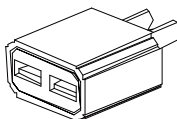
USB mouse



HDMI cable (2 metres)



Power adapter



Option B (integrated with 15.6-inch display)

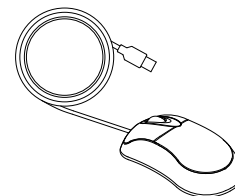


» 15.6-inch display specifications

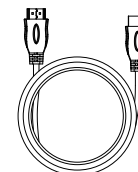
Number of Pixels	1920(Horizontal)*1080(Vertical)
Pixel Arrangement	RGB vertical bar
Colour gamut range	100% (sRGB)
Number of colours displayed	16.7M (8Bit)
Surface Finish	Anti-glare
Surface hardness	3H
Viewing Angle Range	Horizontal 170, Vertical 170
Contrast Ratio	800: 1
Brightness	500cd/m2 (5-point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

» Accessories

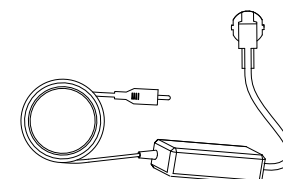
USB mouse



HDMI cable(40cm)



Power adapter

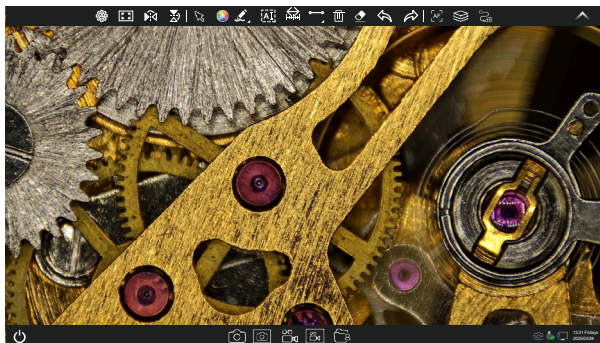


Option C (integrated with 15.6-inch display & Android system)

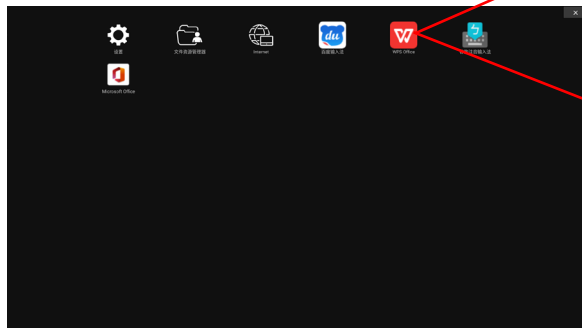


- Deeply customised Android operating system;
- Quad-core CPU + dual-core GPU ,
4GB DDR4 RAM, 32GB eMMC hard drive;
- Support mouse and keyboard operation, save images and videos through USB stick
- Instant Startup, zero Configuration,support HDMI output simultaneously .
- Supports the installation of 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

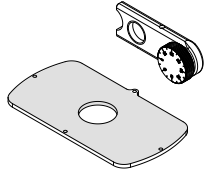


Model list

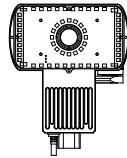
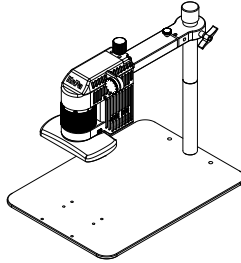
	Option A	Option B	Option C
Model	CE210T		
Category	AJ-08	BJ-08	CJ-08

Optional accessories

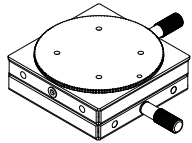
1.Polarizing component



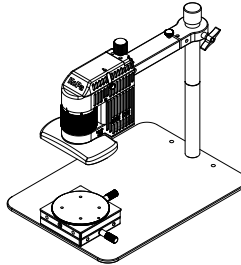
Installation Diagram



2.XY moving stage



Installation Diagram



Effective movement range:

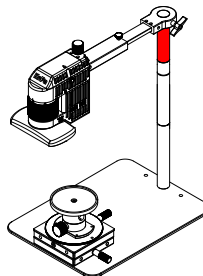
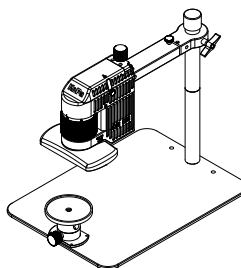
X=25mm

Y=25mm

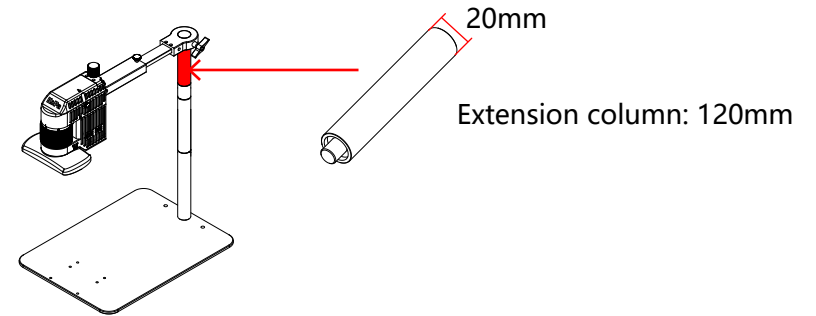
3.Universal ball head



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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