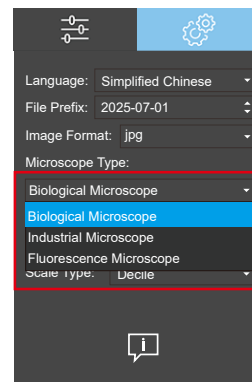# KoPa View

Software Introduction

KoPa View : A Compact & Lightweight Embedded Software

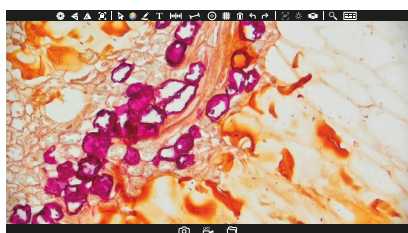# Dedicated yet Versatile – Adapts seamlessly to diverse microscopy needs

Multi-Mode Imaging Support:

- Biological Microscope Image Mode
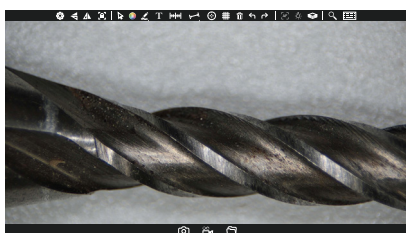- Industrial Microscope Image Mode
- Fluorescence Microscope Image Mode

Auto-Matched Precision: Automatically selects the optimal imaging mode for your microscope, delivering sharp, accurate results.
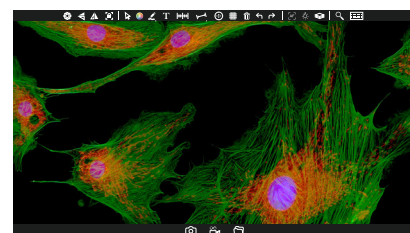
Biological Microscope Image Mode

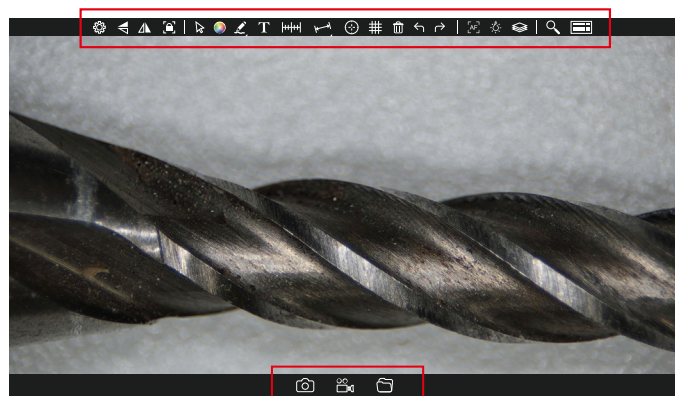**Industrial Microscope Image Mode**

Fluorescence Microscope Image Mode

User-Friendly Design

- Intuitive Icon-Driven Interface – Easy navigation with full graphical guidance.
- Real-Time Image Adjustment – Fine-tune brightness, contrast, and more.
- On-screen measurement & annotation.
- Flexible Focus Options:Manual / Single-Auto / Continuous-Auto Focus.
- Capture high-quality photos & videos, advanced multi-channel fluorescence image combine.
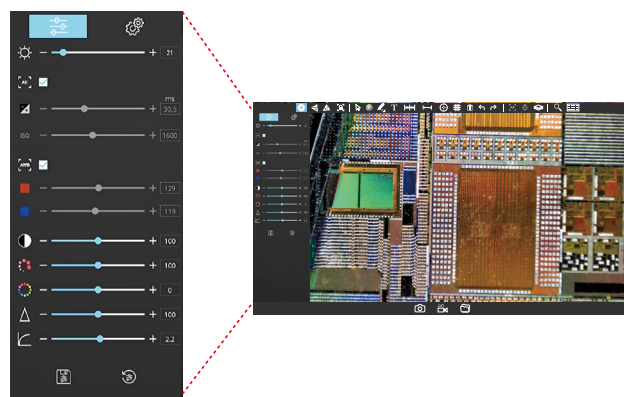- Practical Tools: Software-based illumination management.

Real-time image parameter adjustment

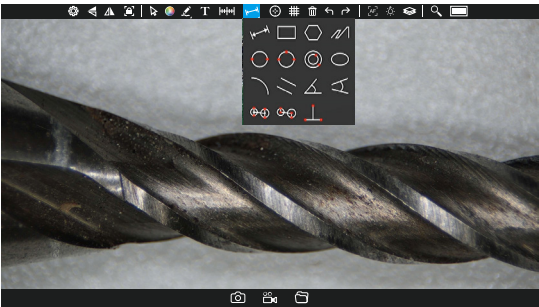|		
☀ Target Luminance		⬡ Hue
⊡ Exposure		⬡ Saturation
ISO Gain		△ Sharpnes
AWB White Balance		⬠ Gamma
◐ Contrast		

Quick Operations:
- One-click Restore All Defaults
- Reset Individual Parameter
- Save Custom Parameter Presets

Utility Tools

⬚ Comprehensive Measurement Tools

Straight lines, circles, rectangles, angles, parallel distances, radians, three-point perpendiculars, four-point angles, ellipses, concentric circles, etc., to meet a variety of needs.
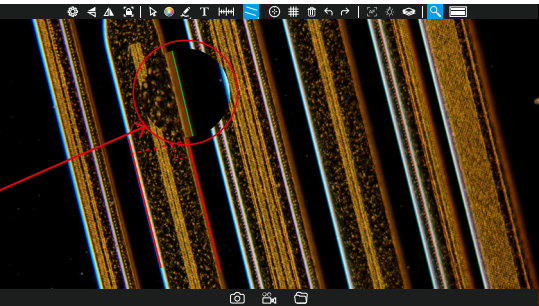
⬚ Calibration

Shutdown to save calibration data, scale bar, crosshair, gridline assistance.

⬚ Auto Edge Detection

Rapidly identifies and locates edges of measured objects for precise results.

⬚ Magnifier Tool

Local Zoom - Enhances visual details for precise inspection Edge Detection Assist - Helps users accurately place measurement anchor points during auto-edge detection.

⬚ Exclusive Grid Measurement

Custom Grid Configuration

Freely adjust grid quantity and spacing; Visual Customization: Set line width/color, toggle tolerance line display;

Preset Management

Add, import, and manage predefined parameter sets.

Custom Style Settings

Adjustable Grid Lines: Modify spacing line color/width; Endpoint Customization: Flexibly configure line terminal length.

Calibration Toolbar Features

Touch Dropdown Menu – Quick access to calibration tools; Right-Click to Hide – Temporarily conceal selected measurement results; Unlimited Vertical Line Drawing – Double-click to complete.

Depth Fusion Modes

Manual Fusion

Mouse Wheel Control: Adjust scan range precisely for targeted area fusion.

1/3 Travel Fusion

Scans from initial position to 1/3 of max physical range.
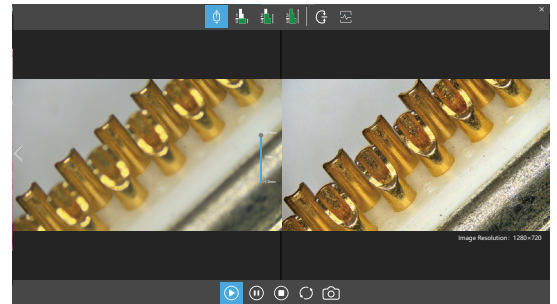
2/3 Travel Fusion

Covers initial to 2/3 of maximum travel distance.

Full-Range Fusion

Complete scan across the camera's entire physical movement.

Return to the designated interface position

Manual / Single-Auto / Continuous-Auto Focus

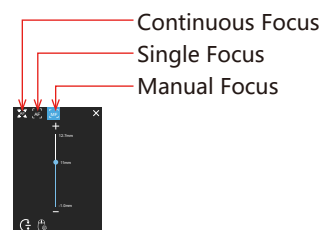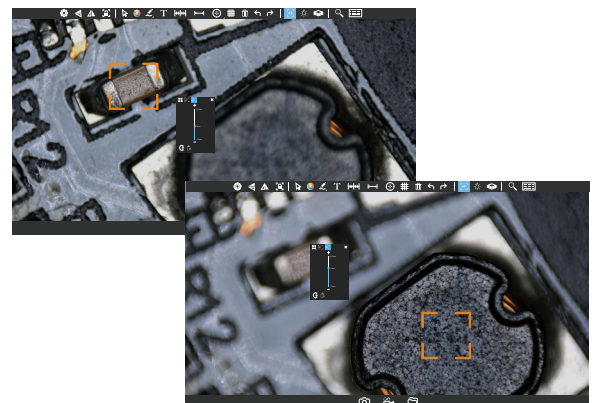(This feature requires motorized models)

Continuous Auto Focus

Instant Clarity Lock - Automatically maintains optimal focus in real-time, and reduces inspection time.
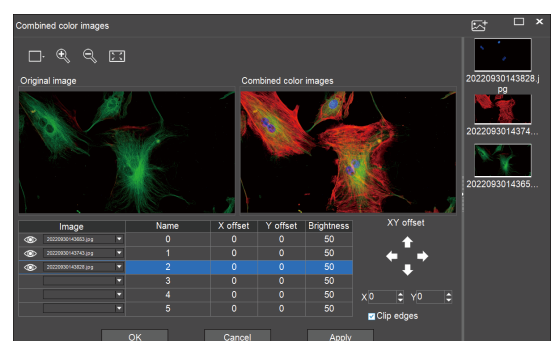
Single Auto Focus

Manual Focus Mode:

Precision Wheel Control – Fine-tune focus via mouse scroll wheel for challenging surfaces: Uneven textures (e.g., solder joints, coatings), Reflective/multi-layer structures, Micro-crack inspection
Adjustable Sensitivity – 6-level mouse response tuning (1=Fine → 6=Coarse)

Continuous Focus
Single Focus
Manual Focus

Capture high-quality photos & videos, advanced multi-channel fluorescence image combine.

Fluorescence Image Stacking – Seamlessly overlay multiple fluorescent channels.
Color reproduction: presents the closest true color performance to the sample.

Lighting control through software

Software-Controlled Lighting (CE210T Exclusive)

Precision Illumination Management

CE210T Series with Four-Zone Light Source (Near-coaxial lighting, Diffuse illumination) are 100% Software Adjustable - All parameters controllable via KoPa View interface.
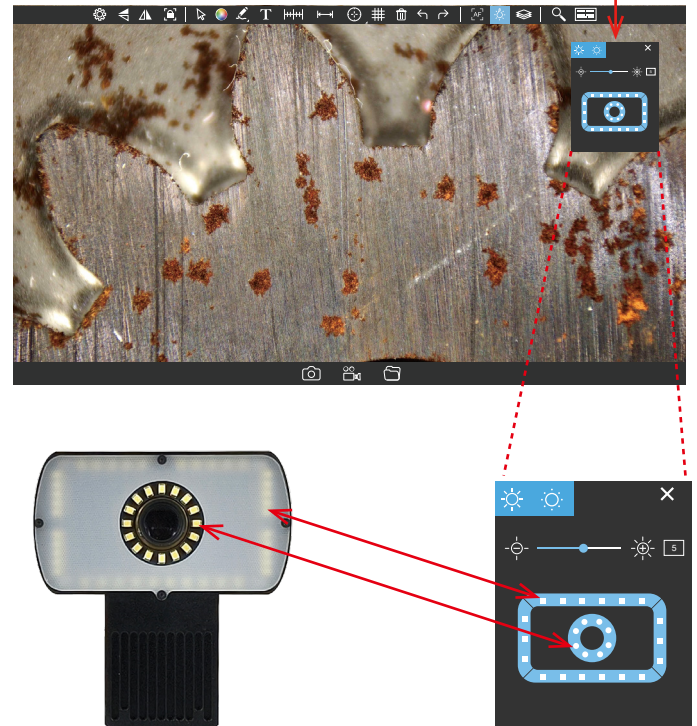
Flexible Four-Zone Illumination

Independent control of each zone ,mix & match settings to highlight sample details,real-time preview of lighting effects.

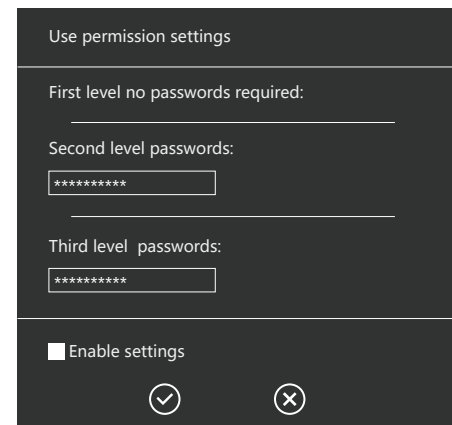### 1-30 levels of brightness adjustment

Optimal Imaging for Any Material,seamless Dimming (1-30 levels) adapts to:
High-reflectivity surfaces (e.g. polished metals),
Low-contrast specimens (e.g. biological tissues).

Competence Tiered Access Control

3-Level Competence Management: Prevents unauthorized setting changes

Use permission settings

First level no passwords required:

Second level passwords:
****

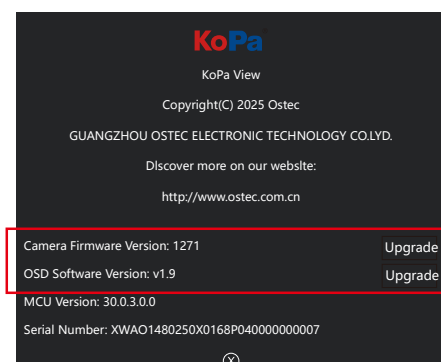Third level passwords:
****

☐ Enable settings

Multi-Language Support

Instant Switching between 5 languages:

- Chinese (Simplified/Traditional)
- English
- Japanese
- Español
- Português

Language: Simplified Chinese
File Prefix:
  Simplified Chinese
  Traditional Chinese
  English
  Japanese
  Portugues
  Spanish
Image For
Microscop
 Biological
☐ Splay Scale
Length: 1
Scale Type: Decile

Easy Upgrade

Embedded software and camera firmware can be upgraded via USB flash drive.

KoPa

KoPa View

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DIscover more on our webslte:

http://www.ostec.com.cn

Camera Firmware Version: 1271   Upgrade
OSD Software Version: v1.9   Upgrade
MCU Version: 30.0.3.0.0
Serial Number: XWAO1480250X0168P040000000007

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