

OPTO-EDU A59.4971 Auto Focus EDF 4K HDMI USB LAN Digital Microscope Camera 8.3M Flourescent

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CNOEC, OPTO-EDU
- Certification: CE, Rohs
- Model Number: A59.4971
- Minimum Order Quantity: 1 pc
- Price: FOB \$1~1000, Depend on Order Quantity
- Packaging Details: Carton Packing, For Export Transportation
- Delivery Time: 5~20 Days
- Payment Terms: T/T, West Union, Paypal
- Supply Ability: 5000 pcs/ Month

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Product Specification

- Highlight: Auto Focus 4K HDMI digital microscope, 8.3M fluorescent USB microscope camera, LAN digital microscope with auto focus

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More Images

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Product Description

High Content 4K 8.3M Digital Camera, 3840×2160@60fps, HDMI+USB+LAN Sync Output
Built-in Motor Moving Support Real Time Auto Focus, Easy Controlled By Mouse Wheel
Cooling Free Special Designed For Long Time Weak Fluorescent Image Capture Work
Preset View Modes With Special Adjusted Parameters For Biological/ Industry / Fluorescent
Professional Software Support EDF, Large Image Stitching, Auto Edge Detection



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A59.4971

**Auto Focus EDF 4K HDMI+USB+LAN Digital Camera,
8.3M, Fluorescent**



A59.4971 Auto Focus 4K Digital Camera

HDMI+USB+LAN Output / 8.3M / EDF



Photo



Video



Calibration



Measurement



Auto Focus



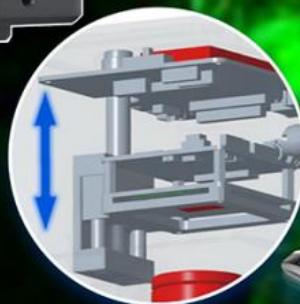
EDF



Auto Edge Search



Stitching



Built-in Motor, Auto Focus
Mouse Wheel Easy Control

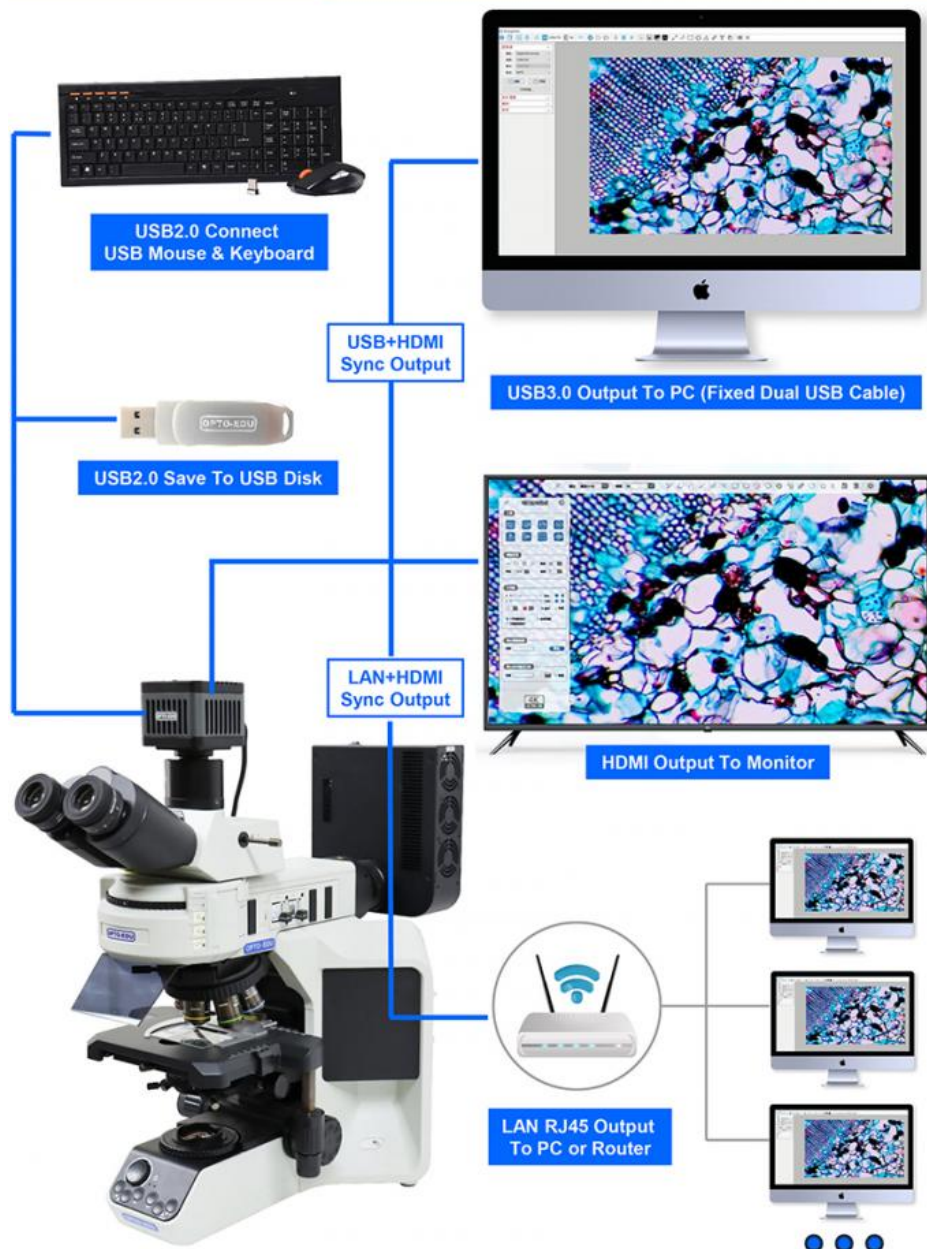
A59.4971 Specification

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A59.4971 Auto Focus 4K HDMI+USB+LAN Digital Camera, 8.3M, Fluorescent	
Camera	8.3M 4K Auto Focus Digital Camera
Sensor	1/1.8" SONY IMX678 CMOS
Resolution	3840×2160 @60fps
Pixel Size	2μm×2μm
Exposure Mode	Rolling Shutter
ISO Sensitivity	Equivalent to 100-12800
Spectral Response	400-650nm
Exposure Capability	Real-time Auto & Manual Adjustment
Exposure Time	10μs-10s
White Balance	Real-time Auto & Manual RB Adjustment
Power Supply	DC5V 2A
Bit Depth	12bit A/D Conversion Bit Depth
Auto Focus	Built-in Motor Moving Support Auto Focus, Including --One Click Auto Focus

	--Real Time Auto Focus --Manual Focus Controlled By Mouse Wheel
Viewing Mode	Preset 3 Mode With Special Adjusted Parameters For: --Biological, For Prepare Slides Viewing --Industry, For Stereo Industry Inspection --Fluorescent, Cooling Free Long Time Watching Weak Fluorescent Image
Data Interface & Output	--HDMI x1 Output To Monitor 4Kx2K @60Fps --USB3.0 x1 Output To PC (Fixed Dual USB Cable) 4Kx2K @60Fps --USB2.0 x2 Save To USB Disk, Connect USB Mouse & Keyboard --LAN RJ45 x1 Output To PC or Router 4Kx2K @60Fps USB+HDMI Sync Output LAN+HDMI Sync Output
Software & Control	【Micro View】 Built-in Software For HDMI Output, Control By Mouse + Keyboard, Support Function With NO NEED For Computer: --Setting --Calibration --All Kinds Measure, Mark, Analysis Function --Photo, Video Capture & Store --Switch View Mode Among Biological/ Industry / Fluorescent -- Auto Focus Drive By Built-in Motor, 3 Modes: One Time, Manual, Continuous. -- Auto EDF (Extended Depth of Field Fusion) --Auto Edge Detection 【Micro Capture Pro】 Professional Software For PC Win11, Control By Mouse + Keyboard, Support All Above Functions, Plus: -- Large Image Stitching , 3 Modes: Auto, Manual, Extend Column
Interface	Standard C-Mount Port, Work With Microscope 0.35x~0.55x C-Mount
Packing List	--Digital Camera --Fixed Dual USB Cable (1 For USB3.0 Data Transfer, 1 For Power Supply) --Euro/USA Dual Port 5V3A Power Adapter --Opto-Edu USB Disk 8G --Opto-Edu Stage Micrometer --HDMI Cable --USB Mouse



A59.4971

Cooling Free Weak Fluorescence Imaging



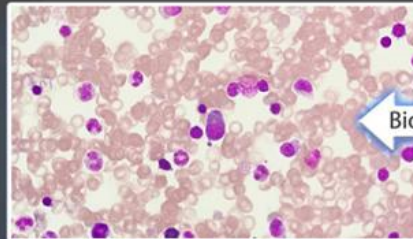
A59.4971



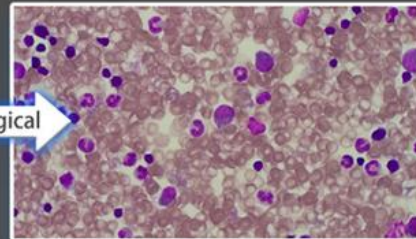
3 Observation Modes

Biological/Industry/Fluorescent

Preset 3 Mode With Special Adjusted Parameters For:
 --Biological, For Prepare Slides Viewing
 --Industry, For Stereo Industry Inspection
 --Fluorescent, Cooling Free Long Time Watching



Bone Marrow (Objective: 100X)



Bone Marrow (Objective: 100X)

Biological

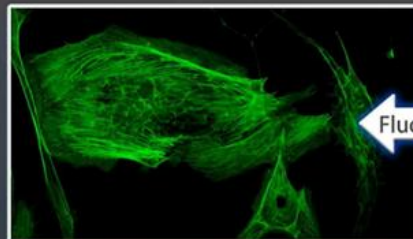


Carbon Steel (Objective: 50X)

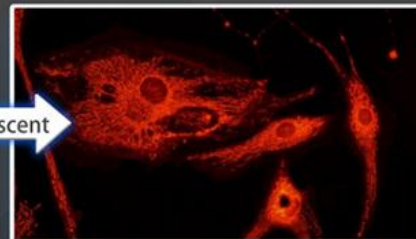


Gray Cast Iron (Objective: 50X)

Industry



Actin Filaments (Objective: 40X)



Actin Filaments (Objective: 40X)

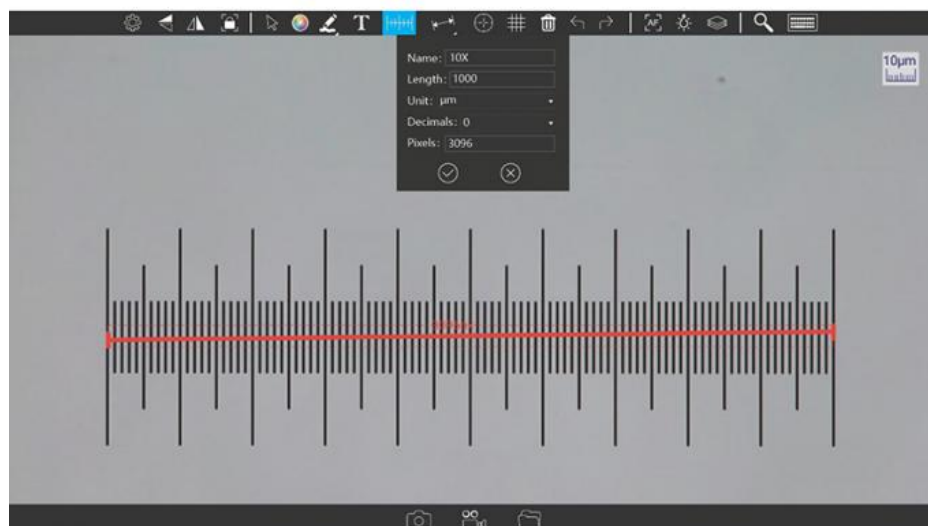
Fluorescent

A59.4971 Software

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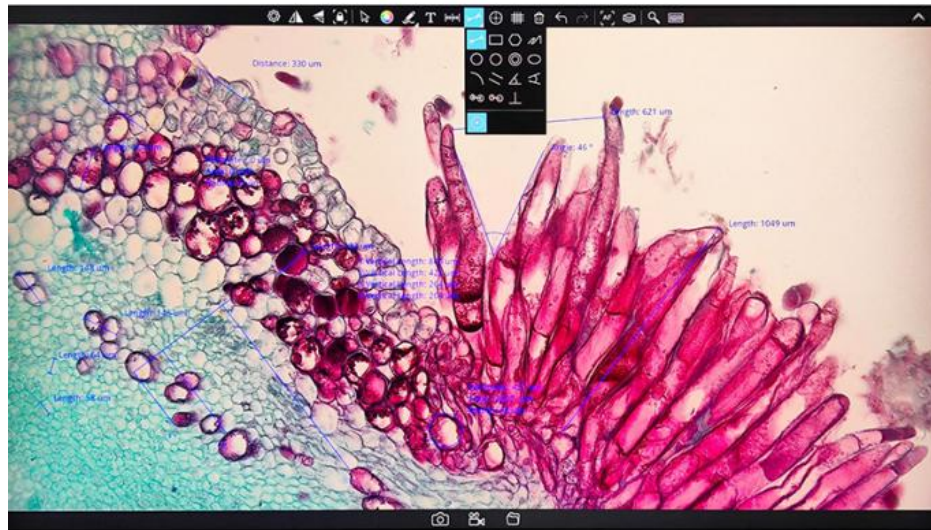
◆ Calibration Function

Use USB mouse & keyboard to easily create calibration for each objective!



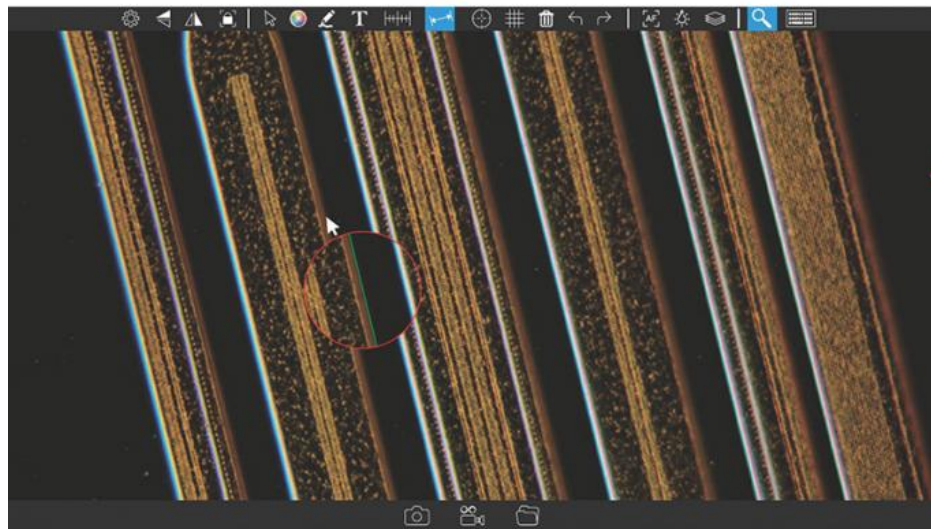
◆ Measurement Function

All kinds measuring tools available, measure result can be shown by customized color & font text.



◆ Automatic Edge Detection

Auto enlarge and detect the edge to draw a fully complicated shape easily



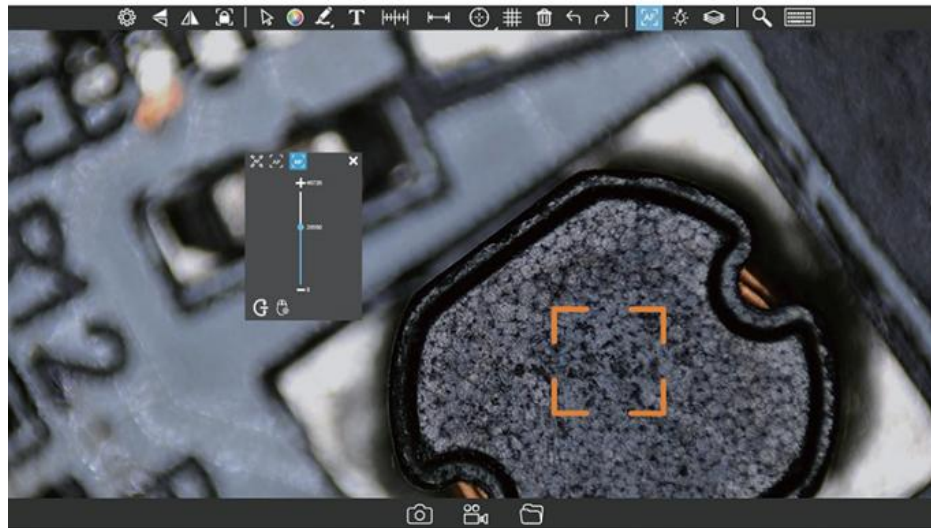
◆ Grid Measurement

Draw grid with customized color, line width to assist measure work



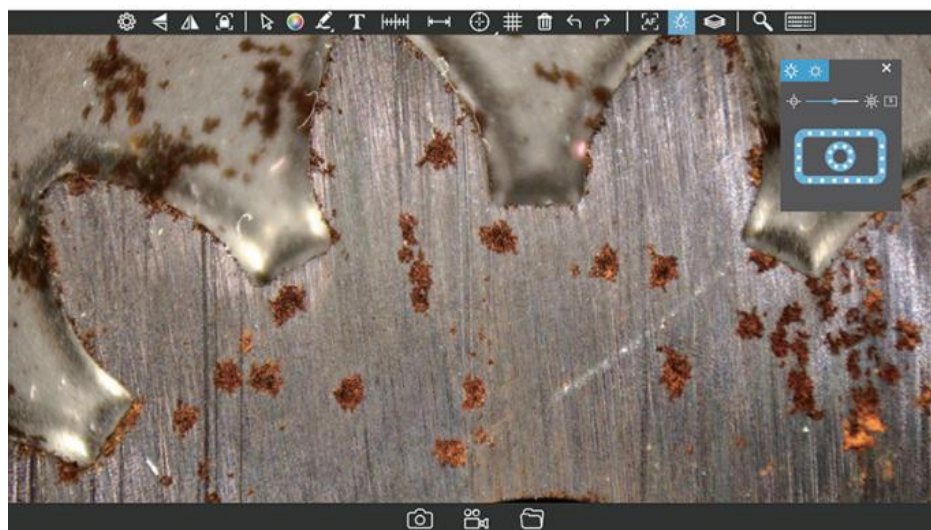
◆ Auto Focus

With built-in motor, support real time Auto Focus, 3 modes: Continues, One Time, Manual



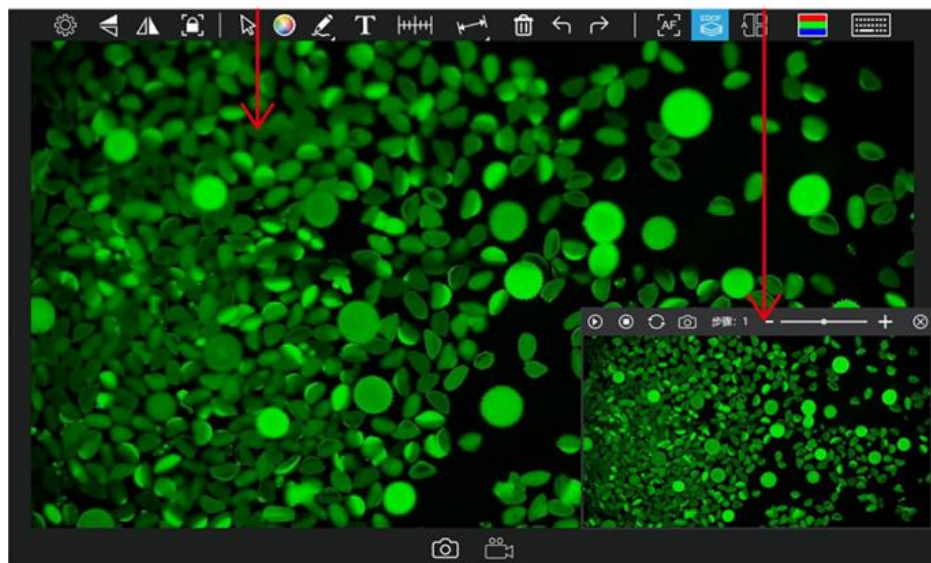
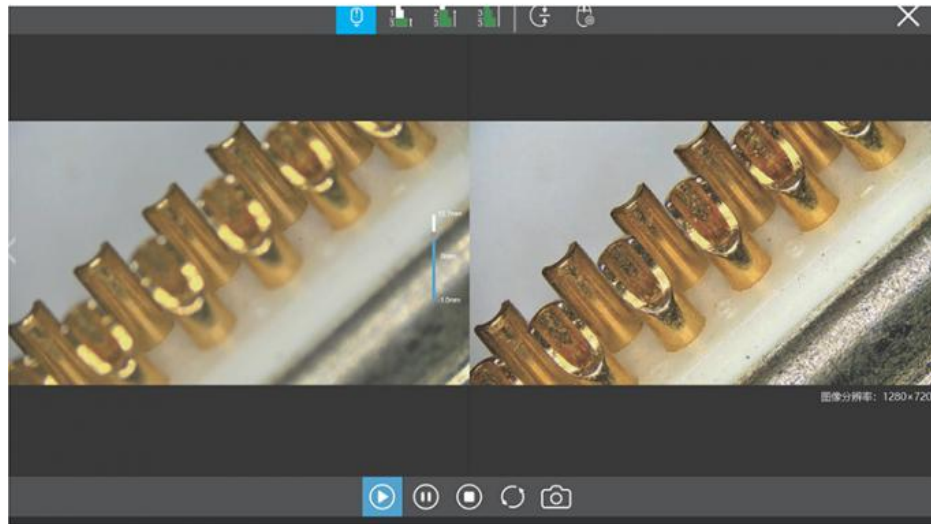
◆ Illumination Controller

Software can control illumination angle and intensity.



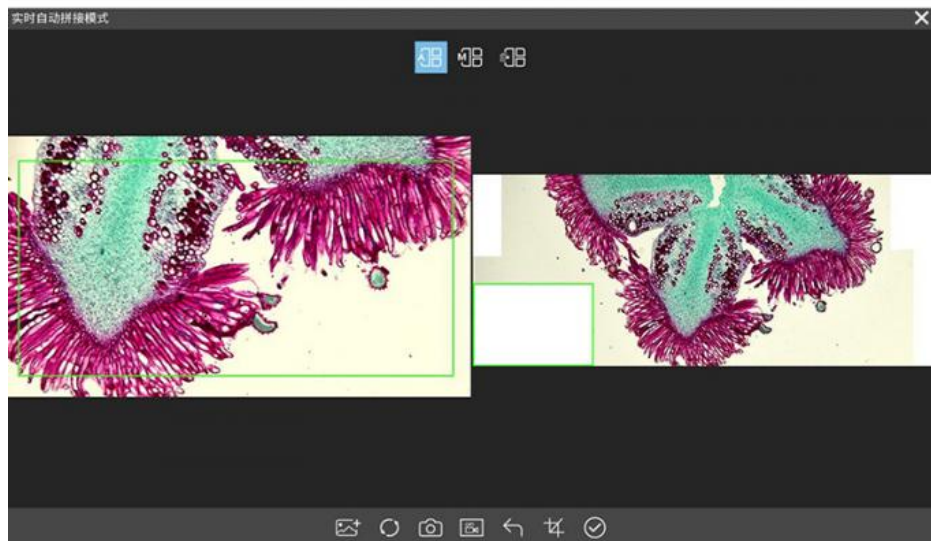
◆ EDF Function

Extended Depth of Field function and stack multi layers image to get a fully focused and clear image easily.



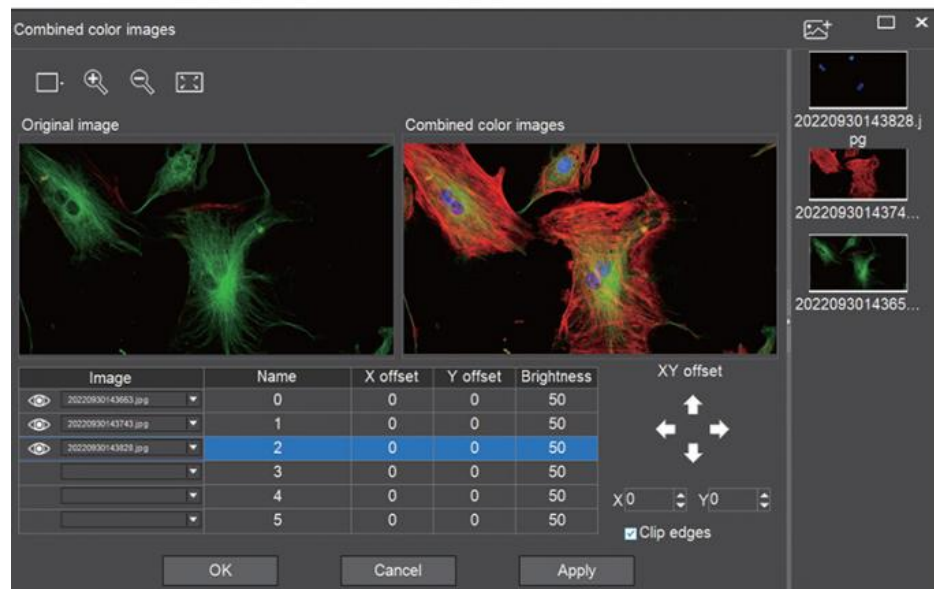
◆ Large Image Stitching

Support Auto Stitching, Manual Stitching, Extend Column Stitching to create large image



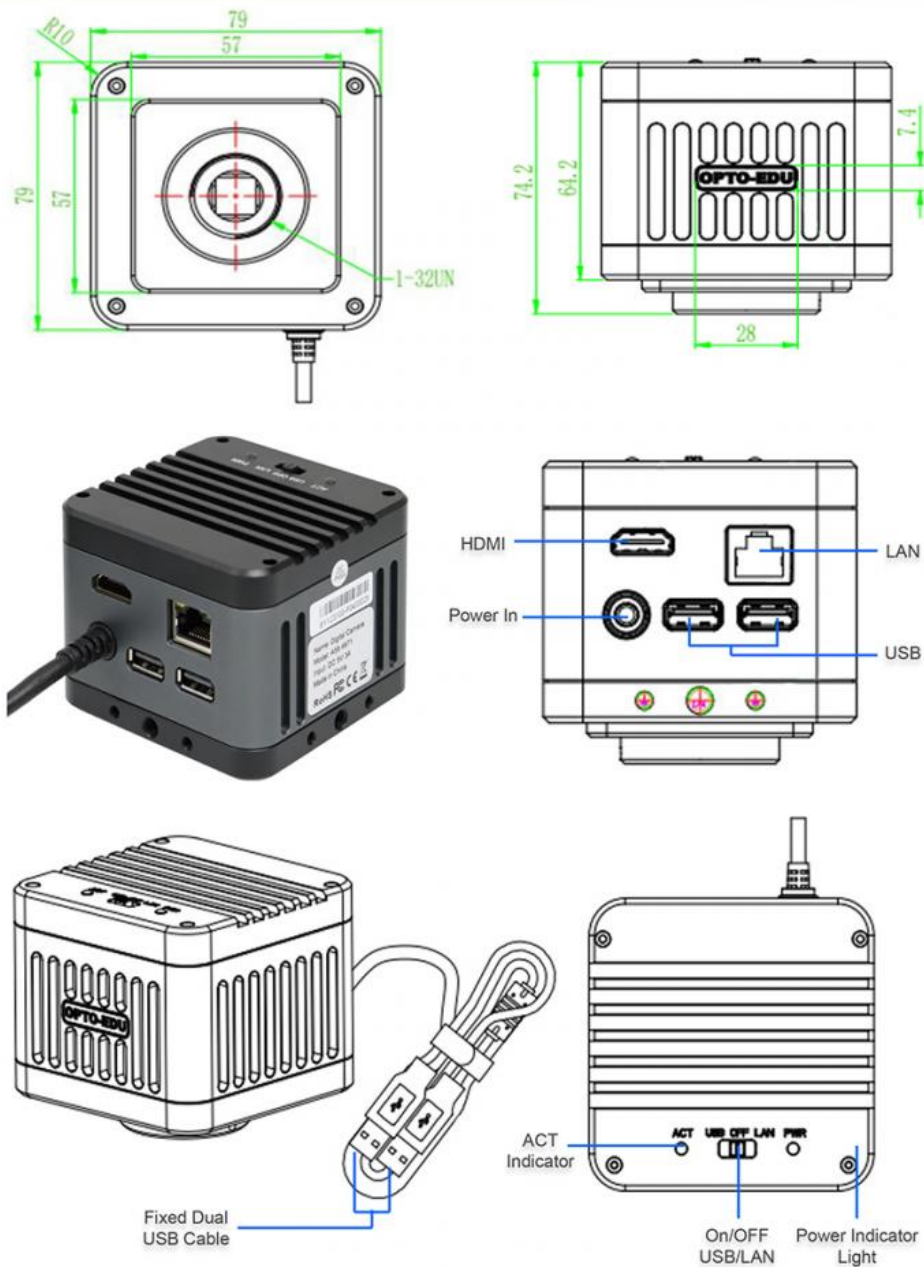
◆ Combined Color Images

Combine different fluorescent bands images to merge in one image.



A59.4971 Size(mm) & Packing List

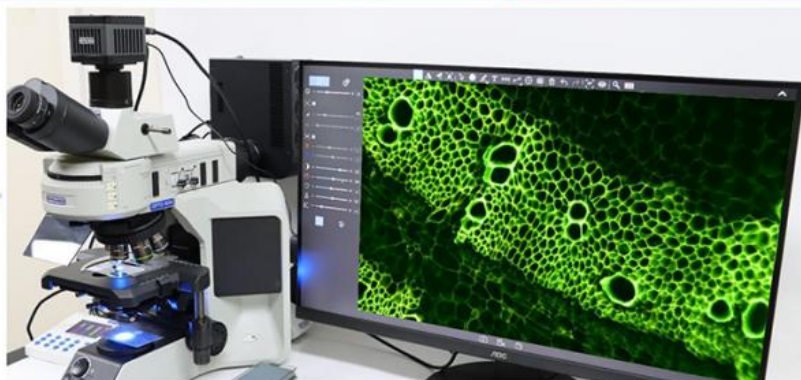
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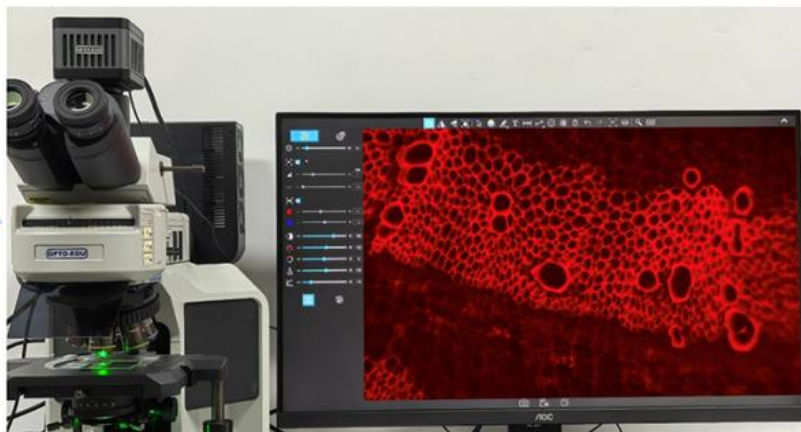




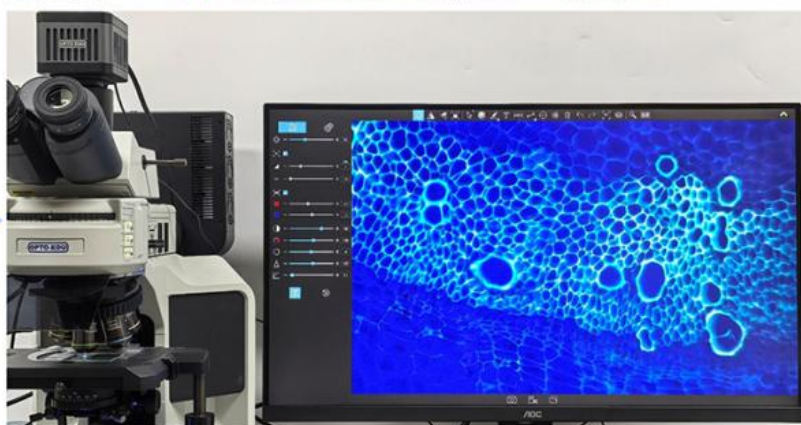
B



G



UV



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