Digital 5G Usb Microscope Camera OPTO EDU A59.4972

FOB \$1~1000, Depend on Order Quantity Carton Packing, For Export Transportation

Basic Information

cnoec.com

Opto-Edu (Beijing) Co., Ltd.

China

CE, Rohs

A59.4972

5~20 Days

5000 pcs/ Month

12.0MP (20.0MP Optional)

4000×3000 (12,000,000Pixels)

Equivalent To 100-12800

Sony IMX412 CMOS

Rolling Shutter

1 pc

CNOEC, OPTO-EDU

- Place of Origin:
- Brand Name:
- Certification:
- Model Number:
- Minimum Order Quantity:
- Price:
- Packaging Details:
- Delivery Time:
- Payment Terms: T/T, West Union, Paypal
- Supply Ability:

OPTO-EDU



Product Specification

- Physical Resolution:
- Image Sensor:
- Exposure Mode:
- MaximumResolution:
- ISO Sensitivity:
- Sensor Size:
- Pixel Size:
- Spectral Response:
- Exposure Capability:

• Exposure Time:

1/2.3"

- Highlight:
- 1.55µm×1.55µm 380-650nm Real-time Auto And Manual Adjustment 10µs-333ms 5G Digital Microscope Camera,

5G Usb Microscope Camera, **OPTO EDU Usb Microscope Camera**

OPTO-EDU



More Images



Digital 5G Usb Microscope Camera OPTO EDU A59.4972

Output	USB Output, PC Software			
	HDMI Output			
	5G WIFI Output, App Software			
	Ehternet Output, LAN Port			
Physical Resolution		12.0M	Р	
Image Sensor		Sony IMX412	2 CMOS	
Exposure Mode	Rolling Shutter			
MaximumResolution	4000×3000 (12,000,000Pixels)			
ISO Sensitivity	Equivalent to 100-12800			
Sensor Size		1/2.3'	5	
Pixel Size		1.55µm×1.	55µm	
Spectral Response		380-650	nm	
Exposure Capability		Real-time auto and m	anual adjustment	
Exposure Time		10µs-333	3ms	
White Balance	Real-time auto and manual RB adjustment			
Preview Resolution	4000×3000@30fps,3840×2160@30fps			
Power Supply		DC 5V	2A	
Wireless Protocol		5G WiFi IEEE	802.11ac	
A/D Convertsion Bit Depth	12bit			
Software And APP	Windows So	ftware:KoPa Capture Pro	, App for mobilesKoPa	WiFi Lab
Applicable To	Olympus	Nikon	Leica	Zeiss
Dovetail	HD1210-W	HD1211-W	HW200(L)	HW200Z
Optional		20.MF	0	

a 12.0MP camera, which needs to be installed on the Olympus trinocular dovetail slot, the corresponding order list: number: model: HD1210-W

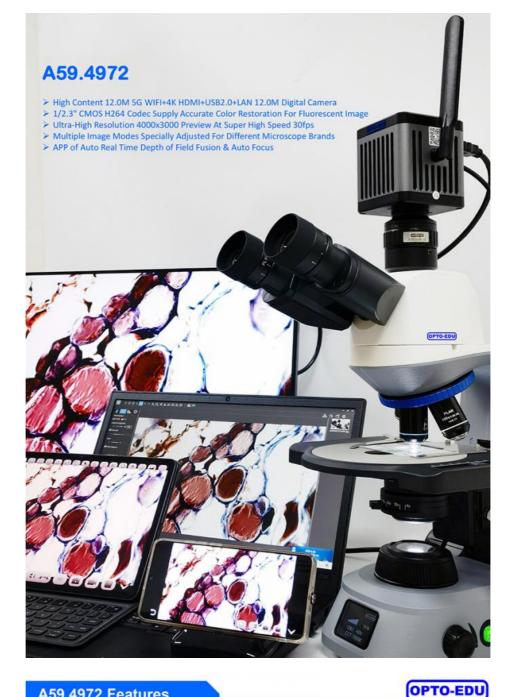
OPTO-EDU (BEIJING) CO., LTD.

OPTO-EDU

F-1501 Wanda Plaza, No.18 Shijingshan Road, Beijing 100043, China Tel:+8610 88696020 Fax:+8610 88696085

A59.4972 5G WIFI+4K HDMI+USB+LAN Digital Camera, 12.0M, C-Mount, USB/WIFI Measuring



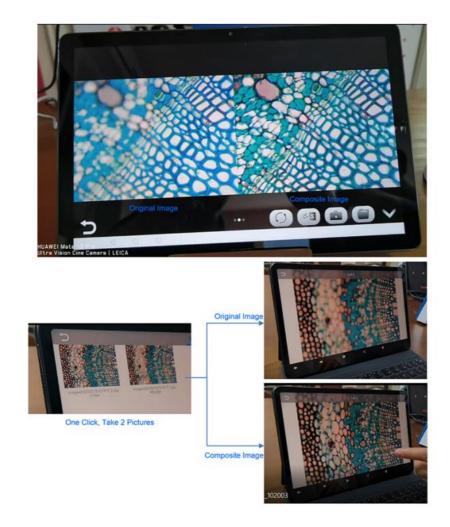


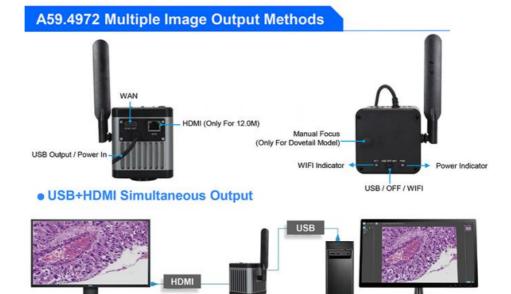
A59.4972 Features

APP of Auto Real Time Depth of Field Fusion & Auto Focus

The world's first digital camera with a built-in advanced algorithm, which can achieve real-time depth of field fusion and auto focus. During the manual focusing process, the camera will automatically capture the sharply focused area and synthesize it into a clear image in real time. Through this algorithm, for those samples with different thicknesses or unevenness, the camera can also easily obtain full-frame images with clear focus through auto-focus and depth-of-field fusion.

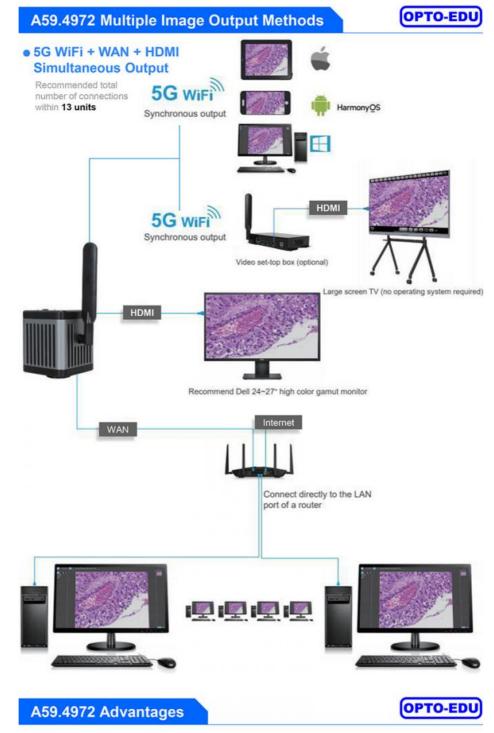
This function supports mobile phone and tablet APP. In the APP, by sliding the screen left and right, you can easily switch between the original image, the composite image, or the comparison image between the two. Every time you take a photo, the camera will simultaneously shoot and save the original image and the composite image for later recall.





1112

Recommend 24~27"high color gamut monitor

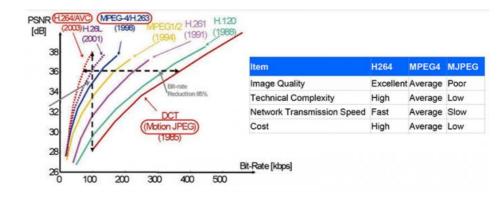


One-stop Digitalize Optical Microscopes

The camera and large FOV optical adapter are skillfully integrated, plug & play, easy using, no need maintain, no more worrying about adapter matching to different microscopes

Cutting-edge Image Codec Technology

Using H264 codec, the camera color is accurately restored. Compared with the traditional MJPEG, it has the characteristics of low bit rate, low noise, transparent picture quality, and high frame rate of full resolution preview (for example, it can realize up to 30fps at 4000x3000 preview)



Color-calibration Algorithm

Users can choose different image modes according to the staining type of pathological sections to obtain accurate image color.

Leica DM series(N PLAN) Leica DM series(HI PLAN) Leica DMn(HI PLAN)(BF-RD/GD)

Leica DMi1(HI PLAN)(BF-GN)

Nikon E series- Embedded camera Nikon E series-C-mount/dovetai groove camera

0LYMPUS CX series-C-mount/dovetail groove camera

Stereo Microscope-Embedded camera Stere Microscope-C-mount/ davetai groave camera

0LYMPUS BX series- C-mount/ dovetail groove camera (BF-RD/GD) 0LYMPUS BX series-C-mount / dovetail groove camera (BF-GN)

OLYMPUS BX series-C-mount / dovetail groove camera (FL)

0LYMPUS CX series- Embedded camera

Microscope type

Nikon TS2

.....

• 11 • 12

• 13

• 2

• 5 • 10

• 1

• 4

• 7

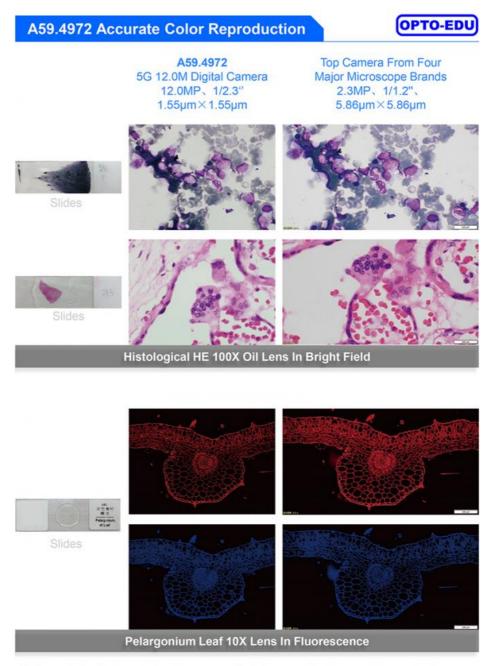
• 0

• 3



Image Mode for Best View

- Multiple image modes specially adjusted for different microscope famous brands including Leica, Nikon, Olympus, Zeiss, and more.
- User can choose image mode options for different microscope models as listed in menu. (Need to enter a password to set it in the background)



Testing method: Photos are taken at the same position in the same slide with same microscope by the same person, the cameras are all adjusted to their best parameters.(Photos are real without handling by Photoshop.)

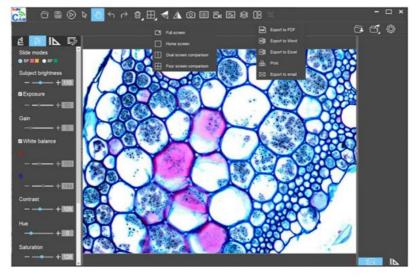
Professional Software For PC



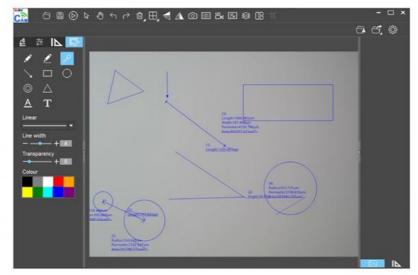
The software can realize preview, save, export, image stitching, depth of field fusion. Measurement Function and other functions.

Brightness, Exposure etc. Adjustable

Multi-dimensional adjustment can make the picture clearer, and it will be easier to study the object



Measurement Function



Depth Of Field Fusion

When the thickness of the observed object is thick, the problem of insufficient depth of field of the camera is perfectly solved, and the images of different heights of the observed object can be combined into a clear picture in all directions

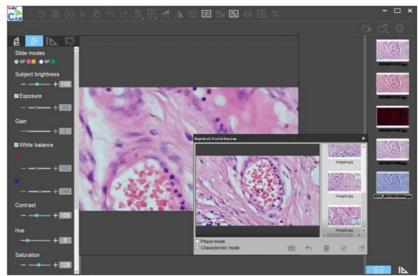
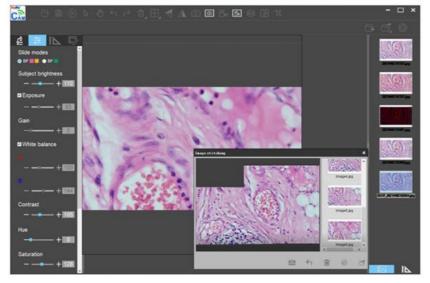


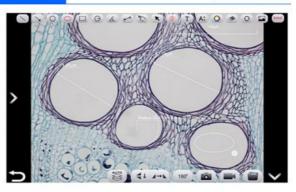
Image Stitching

Due to the limited field of view of the microscope, the object under observation is generally not fully displayed under high magnification. The Image Stitching function can stitch the images of different positions observed under the same magnification into a complete picture, which is convenient for observation and recording.



Creative APP For Phone, Pad

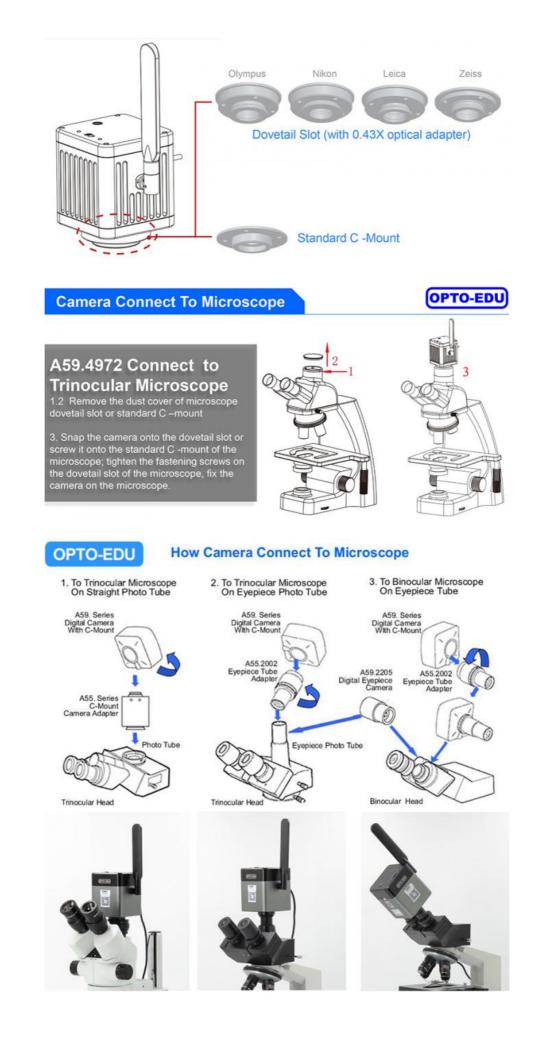
OPTO-EDU

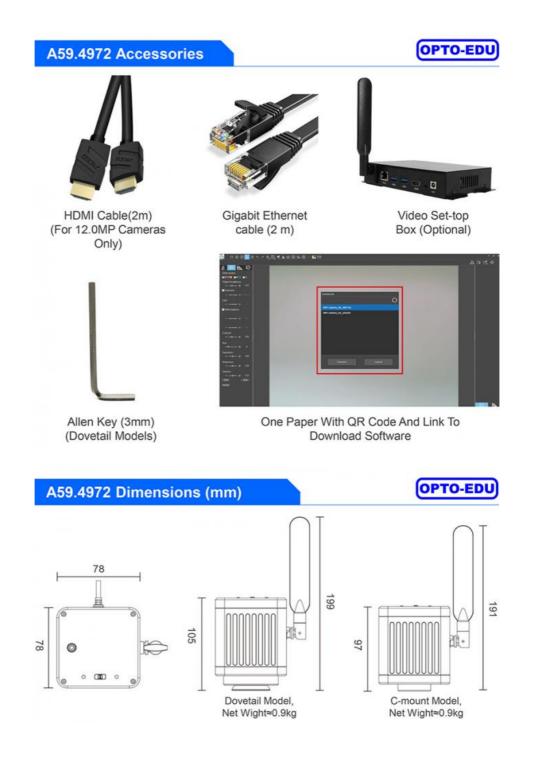


Real Time Depth of Field Fusion & Auto Focus

Due to the limited field of view of the microscope, the object under observation is generally not fully displayed under high magnification. The Image Stitching function can stitch the images of different positions observed under the same magnification into a complete picture, which is convenient for observation and recording.







	A	59.4972 Hardware Introduction OPTO-EDU		
	(1 (2) (3) (4)			
1	5G WiFi Antenna	Enhance The 5G WiFi Signal Transmission, To Achieve Wireless Connection To The Camera Forimage Acquisition.		
2	HDMI Output Interface (Only For 12.0MP Camera)	Through HDMI Cable, Connect With External Monitor With HDMI Interface To Realize Video, Signal Transmission, Etc.		
3	WAN Network Interface	Turn To WiFi: It Can Be Connected To The Router And Access To The Local Area Network, Ao That Windows PC, Smartphones And Tablets In The Local Area Network Can Share The Microscopicscreen; It Can Also Be Directly Connected To The Internet.		
4	USB Output / Power Supply	Turn To USB: Connects To Windows PC For Data Transfer, And The Windows PC Side Can Imageacquisition Through Software. Turn To WiFi: Connects To Adapter To Enable Powering The Camera, And Wireless Devices Canconnect To The Camera WiFi To Image Acquisition.		
5	PWR (Power Indicator)	Turn To OFF, The Indicator Light Is Red. Turn To USB Or WiFi, The Indicator Light Is Green.		
6	USB / OFF / WiFi Working Mode Switching	USB: When The USB Cable Connected To The Computer, It Can Image Acquisition Through Thecomputer Software. OFF: Turn Off The Power, The Camera Stops Working On This Time. WiFi: The Wireless Devices Connect To The Camera WiFi To Image Acquisition.		
7	ACT Indicator:	Turn To WiFi, The Indicator Light Is Blue. Turn To Other Gears, The Indicator Light Does Not Light Up.		
8	Easy Focus Hole (Only For Dovetail Mount Model)	Internal Filament Focus Structure Is Used To Adjust The 0.43X Field Lens Of The Camera To Achievepar-focal With Electronic Imaging And Observation Under Eyepiece.		
9	Dovetail Mount	Connect With The Dovetail Slot On The Trinocular Microscope.		
10	Standard C -mount	Connect With Trinocular Microscope Which Has C-mount.		



