



## A34.4904-C Portable Digital Microscope / Dual Coaxial LED Digital Usb Microscope

### Our Product Introduction

#### Basic Information

- Place of Origin: China
- Brand Name: CNOEC, OPTO-EDU
- Certification: CE, Rohs
- Model Number: A34.4904 - C
- 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



#### Product Specification

- Dual Output: USB 5.0M
- Zoom Lens: 0.7-5.0x
- Working Stage: Working Stage
- Focusing: Coarse
- Light Source: Dual Coaxial LED
- Power Supply: Power Supply
- Resolution: 5.0M
- Highlight: digital usb microscope, portable digital microscope



#### More Images



## Product Description

A34.4904-C USB Digital Microscope		
Hardware Configuration		
Image Sensor	Colorful	
Expose Mode	Rolling Shutter	
Maximum Resolution	2592 x 1944 (5,038,848 pixels)	
Sensor Optical Format	1/2.5" (5.70mm(H) x 4.28mm(V), Diagonal 7.13mm)	
Pixel Size	2.2μm*2.2μm	
Dynamic Range	70.1dB	
ADC	12-bit, 8-Bit R.G.B to PC	
SNR(Signal Noise Ratio)	38.1dB	
Spectral Characteristics	380-650nm	
Binning Modes	1 x 1, 2 x 2	
Exposure Capability	Real-time auto, Single auto, Manual Adjustment	
White Balance	Real-time auto, Single auto, Manual Adjustment	
Software Interface	DirectShow	
Preview Modes	10FPS@2592x1944	
	15FPS@1920x1080,1600x1200	
	40FPS@1280x960, 1280x720, 1024x768, 800x600, 640x480	
Record Format	Snapshot	
	Picture Format:JPG,BMP,PNG,TIFF,PDF	
	Resolution:2592x1944, 1920x1080, 1600x1200, 1280x960, 1280x720, 1024x768, 800x600, 640x480	
	Record	
	Video Format:MJPEG format AVI file	
	Resolution:1920x1080, 1600x1200, 1280x960, 1280x720, 1024x768, 800x600, 640x480	
Optical Parameters		
Lens Optical Magnification	0.28X~2X	
Lens Optical Resolution(um)	16.78 (When in 0.7)	
	11.18 (When in 1)	
	8.39 (When in 2)	
	6.10 (When in 3)	
	4.79 (When in 4)	
	4.79 (When in 5)	
Working distance(mm)	88.5	
Depth of field(mm)	5 (When in 0.7)	
	3.2 (When in 1)	
	0.9 (When in 2)	
	0.47 (When in 3)	
	0.34 (When in 4)	
	0.27 (When in 5)	
Observation range (mm)	20.4 x 15.3~2.86 x 2.15 Continuous Adjustment (L x D)	
Comprehensive resolution (when display on 21 inch	17 121.5 Continuous zoom,68 486 Continuous zoom(this data is based on preview resolution is 640x480 with decompression zoom and the	17.0 (When in 0.7)
		23.0 (When in 1)
		47.1 (When in 2)
		72.2 (When in 3)

16:9 screen)	picture is display to adapt to screen)	96.5 (When in 4)
		121.5(When in 5)
Focusing hand wheel height range(mm)	230	
Focusing bracket adjustment range(mm)	50	
Software Environment		
Operation System	Microsoft®Windows®XP/7/8/8.1/10(32&64bit)	
Computer Configuration	CPU: Equal Or More Than The Second Generation Intel Core 2.8GHz	
	Memory: 2G Or More	
	USB Port: USB 2.0 High Speed Port Or Compatible Port	
	Displayer: Suggest 17 Inches Or Larger	
Operating Environment		
Operating temperature	0℃~40℃	
Storage temperature	-20℃~60℃	
Operating Humidity	30~60%RH	
Storage Humidity	10~80%RH	
Charge Interface	Direct-current 5V. Power Supply By USB Interface	

OPTO-EDU

USB Digital Microscope

A34.4904-C



↔ 0.28-2x HD Lens,0.7-5x Zoom Body

📷 USB 5.0M Preview And Take Picture

💻 Supports Window、 Mac Systems

💡 Dual Coaxial & Diffuse LED Ring Light



## APPLICATION AND CASE



- |   |   |
|---|---|
| 01 Electronic Eyepiece                                | 07 Adjustment button of the coaxial light |
| 02 Monocular Microscope                               | 08 Pedestal                               |
| 03 Manual screw                                       | 09 Supporting column                      |
| 04 Magnification Adjustment Ring                      | 10 Fixed bolt                             |
| 05 Light-compensating lamp                            | 11 Bracket handwheel                      |
| 06 Adjustment button of the diffuse reflectance light | 12 USB cable line                         |



- 0.28~2X HD lens, at least 20,000 times lifetime zoom wheel.
- USB 5.0MP preview and take picture
- Supports Windows, Mac systems
- Parfocality adjustment
- Dedicated measurement software
- Coaxial and diffuse light sources for showing details
- Free-installation plug and play



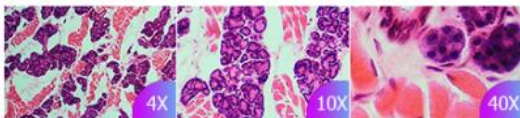
Pathological sections under different objectives



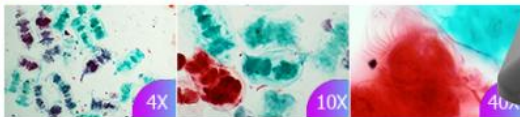
Paramecium sections under different objectives



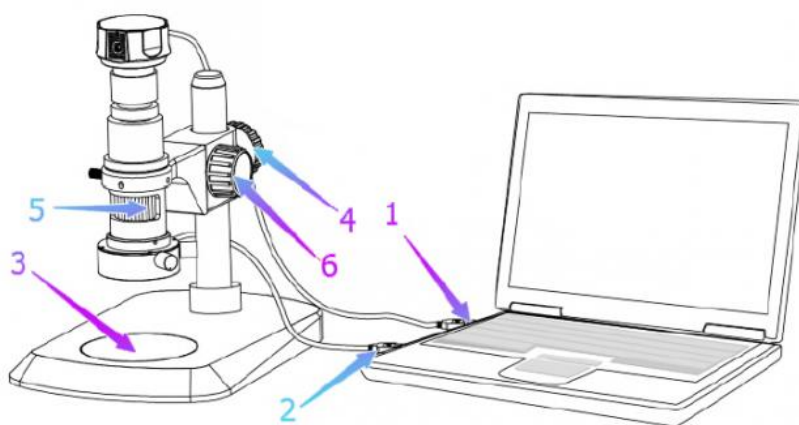
Dog taste buds sections under different objectives



Rotifer sections under different objectives



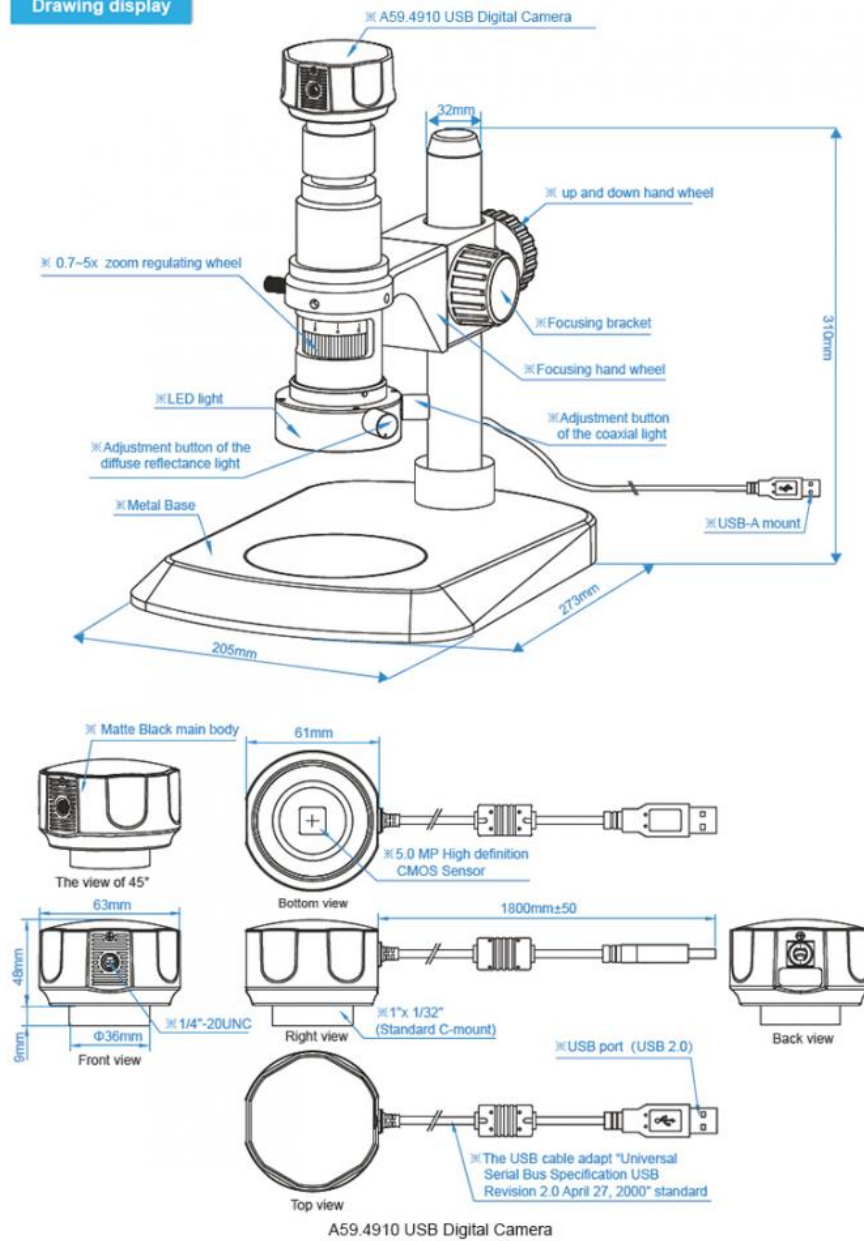
### Specifications for monocular electronic microscope



- Connect the electronic eyepiece to devices (computer or mobile device) and open the software.
- The LED can be powered by power plug or USB port of computer.
- Place the observed object on the pedestal right under the microscope.
- Unscrew the fastening bolt, adjust the bracket by moving up and down and adjust the height of the microscope (until the computer displays pictures clearly).
- Adjust the magnification to the maximum (5 times).
- Adjust the bracket hand wheel until the picture displays clearly.



## Drawing display



## PRODUCT DISPLAY

A34.4904-C





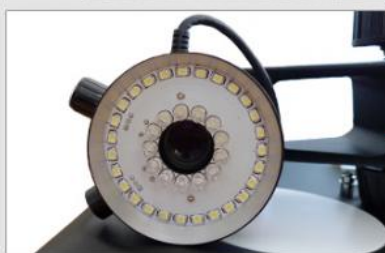
A34.4904-C



0.4x Lens



0.7-4.5x Zoom Lens



Coaxial And Diffuse Light Sources For Showing Details



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