3.5M /1080P Monocular HDMI Digital USB Microscope A34.4904 - H2 Dual Coaxial LED Light Source

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: CNOEC, OPTO-EDU
- Certification: CE, Rohs
- Model Number: A34.4904 - H2
- 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

- Optical Magnification: 0.7-5.0x
- Certification: CE|Rohs
- Output: Dual Output : USB 3.5M, HDMI 1080p/30fps
- Light Source: Dual Coaxial LED Light Source
- Focus: Focusing Knob On Top
- Theory: Digital Optical Microscope
- Highlight: **digital usb microscope**, **portable digital microscope**

More Images

Product Description

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Introduction

A34.4904-H2 Microscope combines traditional optical microscope with digital imaging system. 3.5 million pixel HD color image sensor makes progressive scanning to realize high-definition imaging and color rendition display, low noisy point and High-speed dynamic image without trailing smear. A34.4904-H2 adopts the newest 0.7-5X zoom camera for clearer image, larger depth of field, High-speed 30 frame/second, zero trailing smear, HD detail display, high-quality image display and built-in SD card to support photography, recording and playback.

Features

1. Fresh structure to display the best resolution and real color image.
2. Large depth of field, wide field of view, long operation distance and real vertical optical path.
3. Wide zoom range for different sample size.
4. Dual output HDMI&USB to support photograph/record and real time storage of SD card image, with USB 3.5M, HDMI 1080p/30fps.
5. Avoid tedious adjustment work and directly change the operation distance through eye-height adjustment ring (eye height effective value BFL: 11.6~36mm) and expand the original magnification ratio of the microscope.
6. Exclusive external coaxial lighting source without reflection to control light brightness conveniently.
7. HDMI high definition output, high-speed 30 frame without trailing smear, clear and fluent image.
8. Dual coaxial LED light source--inner fixed coaxial LED light and outer brightness adjustable coaxial LED light.Turnning on Inner fixed coaxial LED light to observe ordinary objects,and the outer brightness adjustable coaxial LED light for metal objects can eliminate reflective effect.
9. Focusing knob on top, supply large distance manual focusing range.

Specification

A34.4904-H2 HDMI/USB Digital Microscope	
Hardware Configuration	
Output	Dual Output : USB 3.5M, HDMI 1080p/30fps
Focus	Focusing Knob On Top, Supply Large Distance Manual Focusing Range
Dual Coaxial LED Light Source	Inner Fixed Coaxial LED Light, Outer Brightness Adjustable Coaxial LED Light
Image Sensor	Aptina AR0330 CMOS Sensor
Scan Mode	Scan Line By Line
Maximum Resolution	3.5M, 2304*1536 (3,538,944 Pixels)
Sensor Optical Format	1/3" (5.07mm(H)*3.38mm(V), Diagonal 6.09mm)
Pixel Size	2.2μm*2.2μm
Dynamic Range	69.5dB
SNR(Signal Noise Ratio)	39dB
Spectral Characteristics	380-650nm
HDMI Output Resolution	1920*1080I60,1920*1080P30,1280*720P60,640*480P60
Video Mode Resolution	1920*1080@30FPS, 1280*720P@30FPS, 800*480@30FPS
Snapshot Mode Resolution	2304*1536 ,2304*1296,1920*1080,1280*720,800*480
Exposure Capability	Real-time Auto, Single Auto, Manual Adjustment
White Balance	Real-time Auto, Single Auto, Manual Adjustment
Software Interface	DirectShow
Capture Modes	Picture Resolution:22304*1536 ,2304*1296,1920*1080,1280*720,800*480 Format:JPG Video Resolution:1920*1080@30FPS, 1280*720P@30FPS, 800*480@30FPS Format:MOV
Record Route	The Local And TF Card(Maximum Support 64G)
Optical Parameters	
Optical Magnification	0.7-5.0x
Total Magnification	6-365x
Object Distance(mm)	24-252(When In 0.7x)
	27-155(When In 1x)
	81-117(When In 2x)
	94-111(When In 3x)
	101-110(When In 4x)
	103-109(When In 5x)
Focusing Bracket Adjustment Range(mm)	230mm
Focusing Hand Wheel Height Range(mm)	50mm
Field Of View(mm)	0.5-10(When In 0.7x) Adjustable
	0.5-0.4.5(When In 1x) Adjustable
	0.4-0.6(When In 2x) Adjustable
	0.3(When In 3x) Adjustable
	0.2(When In 4x) Adjustable
	0.1(When In 5x) Adjustable
	16.78(When In 0.7x)

Resolution(um)		11.18(When In 1x)
		8.39(When In 2x)
		6.10(When In 3x)
		4.79(When In 4x)
		4.79(When In 5x)
Observation Range		29.6*16.6mm~2.1*1.2mm Continuous Adjustment
Software Environment		
USB Mode	Operation System	Microsoft® Windows® XP/ 7 / 8 /8.1/10(32 & 64 Bit)
	Computer Configuration	CPU: Equal Or More Than The Second Generation Intel Core 2.8GHz
		Memory :2G Or More
		USB Port:USB2.0 High Speed Port Or Compatible Port
		Displayer :Suggest 17 Inches Or Larger
HDMI Mode		Displayer: Recommend 16:9 , At Least 1080P Full HD Displayer
		Power Supply: DC5.0V Power Adapter, Electronic Current 500mA Or Higher
Operating Environment		
Operating Temperature		0℃~ 40℃
Storage Temperature		-20℃~ 60℃
Operating Humidity		30~80%RH
Storage Humidity		10~60%RH

A34.4904-H2 Work With HDMI Displayer

Under HDMI Mode, A34.4904-H2 HDMI/USB Digital Microscope Can Realize All Menu Functions Through Function Button

A34.4904-H2 Work With Windows PC

A34.4904-H2 Work With Windows PC

A34.4904-H2 Make Dynamic And Static Measurement, Mark And Comparison For Images Through PC Software

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