



LCD 1080P Digital Microscope

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: CNOEC, OPTO-EDU
- Certification: CE, Rohs
- Model Number: A36.4952
- 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

- Product Name: Mini Digital LCD HD Scanning Electron Microscope With Best Price
- Resolution: 3.5M, 1080p
- Output: USB, HD, TF Card
- Stand: Pole Stand With Large Working Stage
- Light Source: Dual Coaxial LED
- Certificate: CE, Rohs
- Power Supply: USB 100~240v
- Magnification: 8.8x~480x
- LCD Screen: 12.5"
- Service: Feedback Within 12 Hours After Sale Service Assured
- Highlight: **digital usb microscope,**
portable digital microscope



More Images



Product Description

OPTO- EDU A36.4952 Mini Digital LCD HD Scanning Electron Microscope With Best Price

A36.4952 combined the traditional optical and electronic video technology , completely solves the disadvantage of the traditional microscope, which is easy to cause human fatigue when observed for a long time.A36.4962 integrates magnification imaging ,monitor and LED lights into one. It is designed for fast and efficient observation of details

Product Parameter

A36.4952 HD Digital Microscope	
Hardware Configuration	
Image Sensor	Aptina AR0330 CMOS Sensor
Expose Mode	Rolling Shutter
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
Exposure Capability	Real-time auto, Single auto, Manual Adjustment
White Balance	Real-time Auto, Single Auto, Manual Adjust R G B separately
Display (preview) Resolution	HD:1920*1080i60, 1920*1080P30, 1280*720P60, 640*480P60(Auto fit by monitor)
Record Format	Snapshot Picture Format: JPG Resolution: HD: 2304*1536, 2304*1296, 1920*1080, 1280*720, 800*480 Record Video Format: MOV Resolution: HD: 1280*720@30FPS, 800*480@30FPS
Record Route	HD: TF card (Maximum support 64G)
Power Supply	Power adapter: Input:AC 100~240V/50~60Hz;DC 12V/5A/60W Monitor: USB-A-Output:DC5V/2A×3

Lens Specifications		
Total Magnification	8.8x~480x (including digital magnification)	
Optical Magnification	0.7x~5x Optical Zoom Lens	
Optical Resolution(um)	When in 0.7× 16.78um	When in 3× 6.10um
	When in 1× 11.18um	When in 4× 4.79um
	When in 2× 8.39um	When in 5× 4.79um
Monitor Parameters		
Size	12.5"	
Type	a-Si TFT-LCD/IPS	
Resolution	1920×1080	
Color Display	16.7M	
Brightness	300 Nit	
Contrast	800:1	
Visible Angle	170° horizontal&vertical	

OPTO-EDU

LCD HD & USB Digital Microscope

A36.4952

- 📷 3.5M HD & USB Camera 1080i 60 FPS Preview
- 📺 Magnification 8.8x~480x With 12.5" HD 1080p LCD
- 🔧 Manual Focusing Knob Extend To Long Working Distance
- 💡 Dual Coaxial LED Diffuse & External Light
- ⚙️ Rotatable & Flexible Bracket For Any Angles Observations



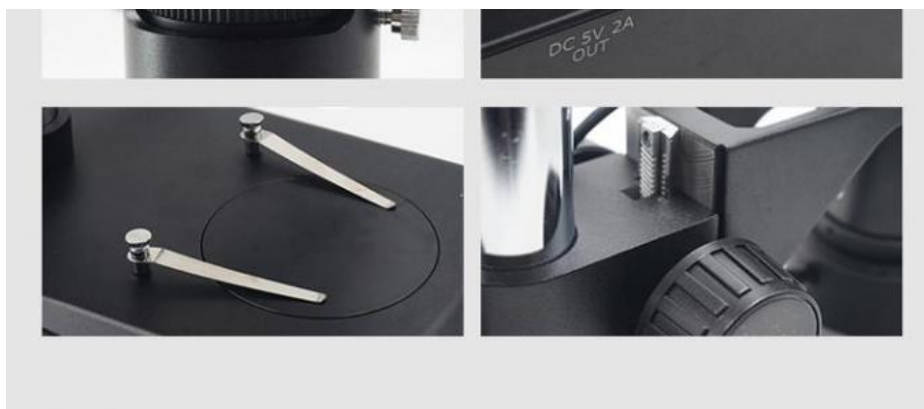
Product Display

PRODUCT DISPLAY

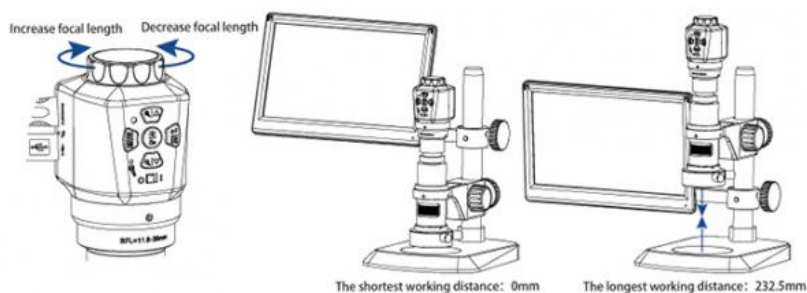
A36.4952







1. It has unique manual focus knob on top of camera helps you to produce the sharpest image within the working distance (0mm~232.5mm) when the observation object size changed from small to large. Avoid tedious adjustment work and directly change the working distance through eye-height adjustment ring and expand the original magnification ratio of the microscope



2. With the factory integrated 3.5MP 1080i 60fps digital camera and HD lens

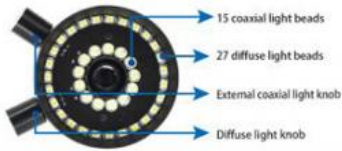
3. Easy to realize continuous zoom to overall magnification of 8.8X~480X (based on 12.5 monitor)



Working distance	When in 0.7X	0mm~232.5mm adjustable
	When in 1X	6mm~144.5 mm adjustable
	When in 2X	61mm~101.5mm adjustable
	When in 3X	77.5mm~95.5mm adjustable
	When in 4X	83.5mm~93.5mm adjustable
	When in 5X	85.5mm~91.5mm adjustable
Depth of field	When in 0.7X	2mm~9.5mm
	When in 1X	2mm~3.3mm
	When in 2X	0.7mm~1mm
	When in 3X	0.46mm
	When in 4X	0.39mm
	When in 5X	0.32mm
Observation range, adjustable (L x D)	31.6mm x 17.7mm~2.3mm x 1.3mm	
Overall magnification (based on 12.5" monitor)	When in 0.7X	8.8X~35.8X
	When in 1X	17.3X~31.6X
	When in 2X	41.8X~45.4X
	When in 3X	62.7X~68.7X
	When in 4X	85.4X~94.3X
	When in 5X	106.3X~119.4X
Digital Magnification	4x by Camera	

4. A36.4952 is equipped with the external coaxial light, which can uniformly illuminate the surface of the plane and the shiny surface, and enhance the features of marking, recessing or embossing. It can highlight the uneven surface of the object, overcome the interference caused by the reflection of the surface, and improve the microscope reproducibility.

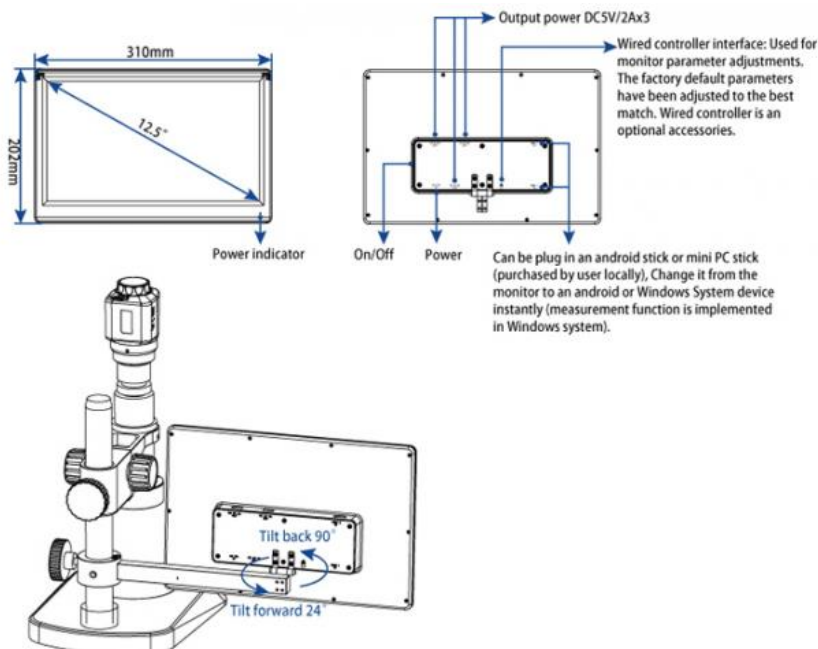
- Reduce glare under diffuse light.
- More conducive to the observation of the smooth surface, the highly reflective surface and the hard-to-reach area under external coaxial light.
- The two ring lights are independently controlled, and the brightness can be freely combined and adjusted according to the actual observation situation.
- It is powered by the monitor safe and reliable, and reduces the floor line, save space of working table.



	With diffuse light	With external coaxial light & diffuse light
PCB		 More details shown
Surface of glasses		 Clearer surface scars
Surface of metal		 Stronger sense of 3D

5. Outstanding ergonomics design with 360° universal shaft bracket, to hover randomly. It is flexible and easy to use, convenient for operator to view from different angles. Free up the operator's head and body , the work efficiency can be improved and fatigue can be reduced effectively .

6. Integrated solution -one device can achieve multiple function of low magnification tasks; Equipped with all-in-one 12.5 monitor, when needed, operator can fine-tune screen angle to look up (max 90 °) or look down (max 24°)



7.Simple ,easy to use image and video capture software is included as standard to allow you to use it instantly .

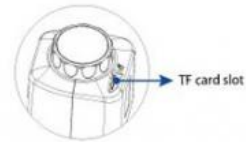
■ Camera buttons can optimize camera settings, including white balance, exposure, sharpness, contrast, freeze, crosshairs, and more.

■ The software menu supports 9 languages: English, Chinese (Simplified/Traditional), Japanese, Russian, French, German, Italian, and Spanish.

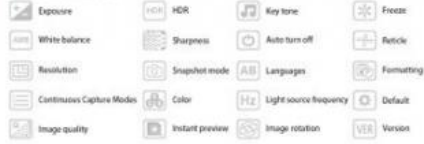
■ The captured image supports JPG format.

■ Recorded video supports MOV format, perfect for training.

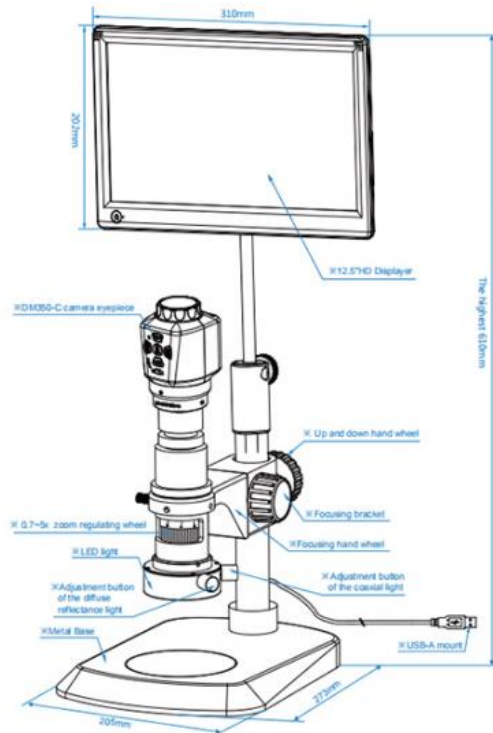
■ Equipped with TF card slot, support up to 64G TF card for image and video saving (self-provided TF card).



Rich Functions



Drawing Display



Application

APPLICATION AND CASE



More Choice

MORE CHOICES



A59.4904

BUY NOW



A59.4905

BUY NOW



A59.4907

BUY NOW



A59.4902

BUY NOW



A59.4902B

BUY NOW



A59.4908

BUY NOW

Packing & Delivery

PACKING AND SHIPPING

Packing : Polyfoam Protection And Strong Carton

Shipping Time : 5~20 Days After Receive The Deposit



About Us

OPTO-EDU is one of the top professional supplier for microscope from China, we focus in microscope & educational field for more than 20 years. As the top recommended seller for microscope on alibaba, we have full types microscopes, including biological microscope, stereo microscope Metallurgical microscope, inverted microscope, fluorescent microscope, polarized microscope, phase contrast microscope, dark field microscope, multi-viewing microscope, DIC microscope, AFM/STM/SPM microscope, zoom microscope, gem microscope, digital microscope, LCD microscope, comparison microscope Forensic microscope, and all kinds of microscope accessories.

Our customer comes from more than 104 countries, such as United States, Britain, Russia, Canada, Germany, Denmark,

Poland, Sweden, UAE, Qatar, Saudi Arabia, Egypt, Mexico, Argentina, Chile, Brazil, Korea, Thailand, India , Indonesia, Philippines, and so on. We have been working tirelessly to supply China's nice quality production to the world market!

☆ Real Data Of Export Countries And Regions ☆

Countries /Regions				Countries /Regions			
客户ID	客户名称	客户名称	客户名称	客户ID	客户名称	客户名称	客户名称
23	国家/地区: KYRGYZSTAN	吉尔吉斯斯坦	批数: 1	65	国家/地区: MOLDOVA	摩尔多瓦	批数: 1
24	国家/地区: ZIMBABWE	津巴布韦	批数: 2	66	国家/地区: PALESTINE	巴勒斯坦	批数: 2
25	国家/地区: SENEGAL	塞内加尔	批数: 2	67	国家/地区: JAPAN	日本	批数: 7
26	国家/地区: EL SALVADOR	萨尔瓦多	批数: 1	68	国家/地区: CHILE	智利	批数: 6
27	国家/地区: BOLIVIA	玻利维亚	批数: 3	69	国家/地区: IRAQ	伊拉克	批数: 6
28	国家/地区: ROMANIA	罗马尼亚	批数: 5	70	国家/地区: SINGAPORE	新加坡	批数: 8
29	国家/地区: COLOMBIA	哥伦比亚	批数: 7	71	国家/地区: TANZANIAN	坦桑尼亚	批数: 1
30	国家/地区: FINLAND	芬兰	批数: 1	72	国家/地区: COTE D'IVOIRE (Republic of Ivory Coast)	科特迪瓦	批数: 2
31	国家/地区: CAMEROON	喀麦隆	批数: 3	73	国家/地区: VIET NAM	越南	批数: 19
32	国家/地区: COSTA RICA	哥斯达黎加	批数: 1	74	国家/地区: IRAN	伊朗	批数: 6
33	国家/地区: SPAIN	西班牙	批数: 6	75	国家/地区: SWEDEN	瑞典	批数: 5
34	国家/地区: ISRAEL	以色列	批数: 9	76	国家/地区: UZBEKISTAN	乌兹别克斯坦	批数: 2
35	国家/地区: NIGERIA	尼日利亚	批数: 7	77	国家/地区: TURKEY	土耳其	批数: 8
36	国家/地区: EGYPT	埃及	批数: 13	78	国家/地区: BELGIUM	比利时	批数: 2
37	国家/地区: CAMBODIA (Kampuchea)	柬埔寨	批数: 2	79	国家/地区: LAOS	老挝	批数: 1
38	国家/地区: PARAGUAY	巴拉圭	批数: 2	80	国家/地区: BRAZIL	巴西	批数: 15
39	国家/地区: MADAGASCAR	马达加斯加	批数: 1	81	国家/地区: BANGLADESH	孟加拉国	批数: 6
40	国家/地区: MACEDONIA	马其顿	批数: 1	82	国家/地区: ECUADOR	厄瓜多尔	批数: 2
41	国家/地区: BENIN	贝宁	批数: 1	83	国家/地区: NETHERLANDS	荷兰	批数: 8
42	国家/地区: UKRAINE	乌克兰	批数: 3	84	国家/地区:		批数: 6
43	国家/地区: NEW ZEALAND	新西兰	批数: 2	85	国家/地区: THE PHILIPPINES	菲律宾	批数: 15
44	国家/地区: LITHUANIA	立陶宛	批数: 1	86	国家/地区: THAILAND	泰国	批数: 18
45	国家/地区: NORWAY	挪威	批数: 1	87	国家/地区: GERMANY	德国	批数: 12
46	国家/地区: SWITZERLAND	瑞士	批数: 2	88	国家/地区: SRI LANKA	斯里兰卡	批数: 2
47	国家/地区: HONGKONG	香港	批数: 3	89	国家/地区: PERU	秘鲁	批数: 12
48	国家/地区: ARGENTINA	阿根廷	批数: 4	90	国家/地区: SAUDI ARABIA	沙特阿拉伯	批数: 4
49	国家/地区: TAIWAN	中国台湾	批数: 1	91	国家/地区: INDIA	印度	批数: 23
50	国家/地区: ALGERIA	阿尔及利亚	批数: 1	92	国家/地区: BULGARIAN	保加利亚	批数: 3
51	国家/地区: MALAYSIA	马来西亚	批数: 17	93	国家/地区: ITALY	意大利	批数: 19
52	国家/地区: GREECE	希腊	批数: 1	94	国家/地区: TUNISIA	突尼斯	批数: 1
53	国家/地区: UNITED KINGDOM	英国	批数: 13	95	国家/地区: RUSSIA	俄罗斯	批数: 33
54	国家/地区: MOROCO	摩洛哥	批数: 2	96	国家/地区: UNITED STATES	美国	批数: 51
55	国家/地区: YEMEN	也门	批数: 1	97	国家/地区: MEXICO	墨西哥	批数: 12
56	国家/地区: AUSTRALIA	澳大利亚	批数: 12	98	国家/地区: HUNGARY	匈牙利	批数: 3
57	国家/地区: GHANA	加纳	批数: 3	99	国家/地区: CANADA	加拿大	批数: 6
58	国家/地区: GEORGIA	格鲁吉亚	批数: 3	100	国家/地区: POLAND	波兰	批数: 6
59	国家/地区: CZECHO	捷克	批数: 2	101	国家/地区: PAKISTAN	巴基斯坦	批数: 5
60	国家/地区: KENYA	肯尼亚	批数: 2	102	国家/地区: KOREA	韩国	批数: 23
61	国家/地区: INDONESIA	印度尼西亚	批数: 14	103	国家/地区: UNITED ARAB EMI	阿联酋	批数: 5
62	国家/地区: DENMARK	丹麦	批数: 2	104	国家/地区: LATVIA	拉脱维亚	批数: 1
63	国家/地区: VENEZUELA	委内瑞拉	批数: 1				
64	国家/地区: FRANCE	法国	批数: 8				

OUR WORKSHOP



OPTO-EDU ADVANTAGES

- ☆ Alibaba Recommend Top Supplier for Microscope!
- ☆ All Kinds of Microscope from China!
- ☆ Factory Direct Price!
- ☆ Nice Quality!
- ☆ More Than 1200 Microscope Models!
- ☆ Small Order Welcome!
- ☆ Payment By PayPal, WU, Alibaba!
- ☆ Quick Shipping Within 5 Days!
- ☆ Warranty 3 Years For Our Microscope!



- ☆ **WITH US YOUR MONEY IS SAFE!**
- ☆ **WITH US YOUR TRADE IS SAFE!**



OUR SERVICE

01

Feedback within 12 hours

02

After sale service assured

03

3 years warranty time



Opto-Edu (Beijing) Co., Ltd.

☎ 0086 13911110627

✉ sale@optoedu.com

🌐 cnoec.com

F-1501 Wanda Plaza, No. 18 Shijingshan Road, Beijing 100043, China