

HD52-H

A complete solution to continuous zoom microscope for observation



Long working distance:
0mm~232.5mm
Ultra wide field of view:
31.6mm×17.7mm

3.5 MP HD Camera 1080i 60 FPS preview 720P HD record High definition optical lens The lifetime of the zoom is over 20,000 times

9.5X-120X overall magnifications Equipped with 12.5"HD 1080P monitor

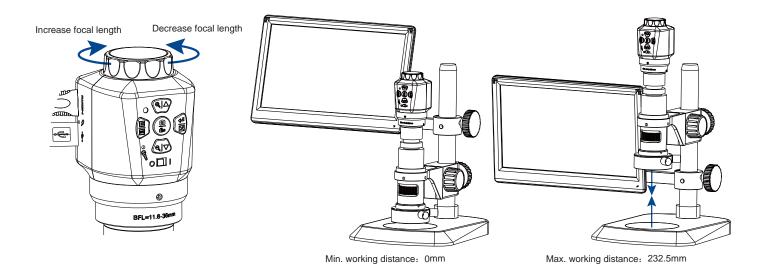
Unique diffuse light & external coaxial light.

Highlights

HD52-H combined the traditional optical and electronic video technology, completely solves the disadvantages of the traditional microscope, which is easy to cause human fatigue when observed for a long time. HD52-H integrates magnification imaging, monitor and LED lightings into one. It is designed for fast and efficient observation of details.

It has unique manual focus knob on top of camera helps you to p roduct the sharpest image within the working distance (0mm~232.5mm) when the observation object size changed from sm all 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.

1

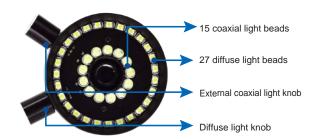


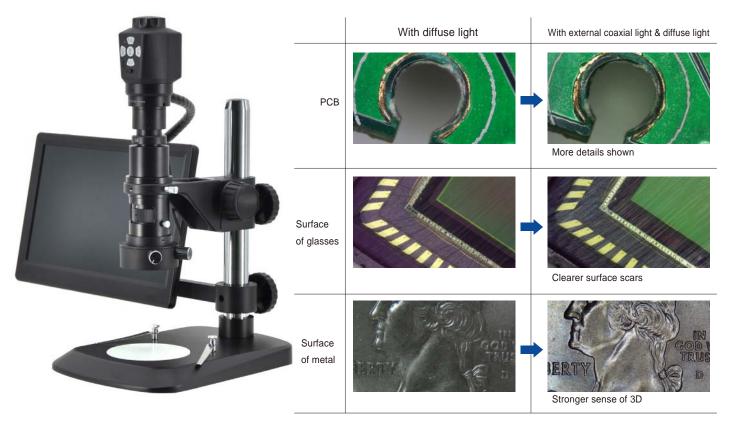
With a factory integrated 3.5MP 1080i 60pfs digital camera and HD lens.

2



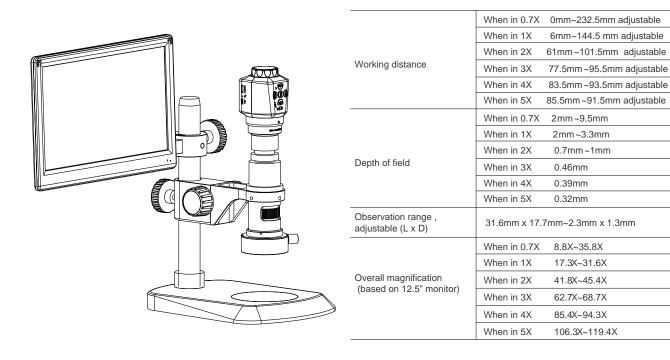
- Reduce glare under diffuse light.
- More conducive to the observation of the smooth surface, the highly reflective surface and the hard-to-reach area under external coaxial light.
- The two ring lights are independently controlled, and the brightness can be freely combined and adjusted according to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

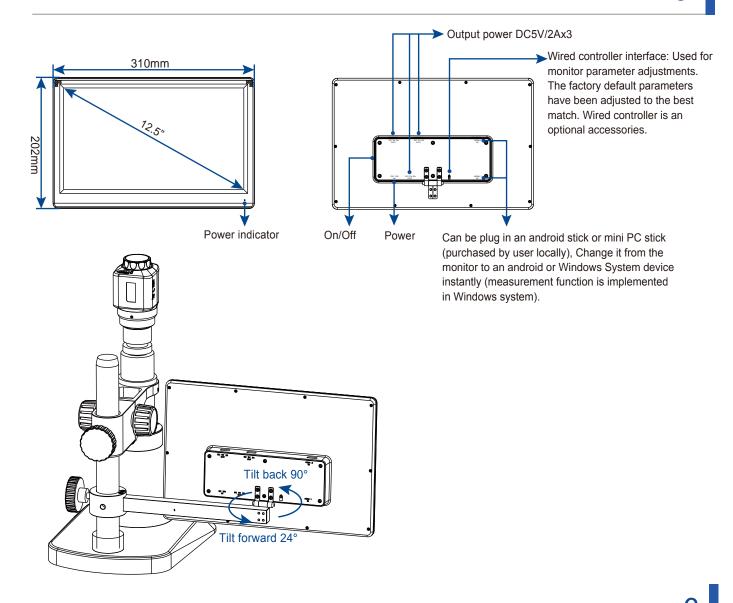




Easy to realize continuous zoom to overall magnification of 9.5X~120X (based on 12.5" monitor).

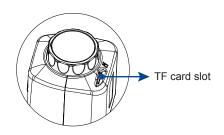
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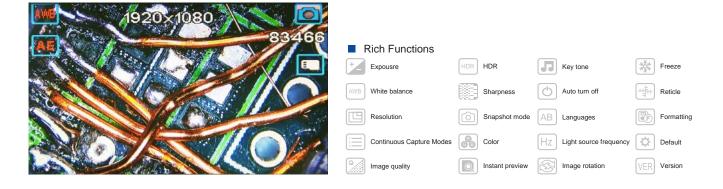




Simple, easy-to-use image and video capture software is include d as standard to allow you to use it instantly.

- Camera buttons can optimize camera settings, including white balance, exposure, sharpness, contrast, freeze, crosshairs, and more.
- The software menu supports 9 languages: English, Chinese (Smplified/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 im age and video saving (self-provided TF card).







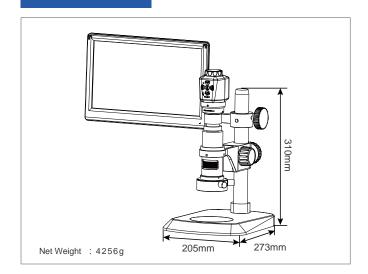


Specifications

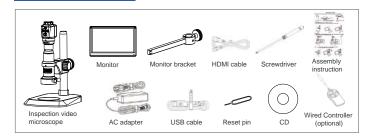
HD52-H Camera specifications			
Image Sensor	Aptina AR0330 CMOS Sensor		
Expose mode	Rolling shutter		
Maximum Resolution	2304 x 1536 (3,538,944 pixels)		
Sensor Optical Format	1/3" (5.07mm(H) x 3.38mm(V), Diagonal 6.09mm)		
Pixel Size	2.2µm x 2.2µm		
Dynamic Range	69.5dB		
SNR (Signal Noise Ratio)	39dB		
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 seperately		
Display (preview) resolution	HDMI:1920X1080i60,1920X1080P30,1280x720P60, 640x480P60(Auto fit by the monitor)		
Record format	Snapshot Picture Format: JPG Resolution: HDMI: 2304 x 1536,2304 x 1296,1920x1080,1280x720,800x480 Record Video Format: MOV Resolution: HDMI: 1280x720@30FPS, 800x480@30FPS		
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Record Route	HDMI: TF card(Maximum support 64G)		
Power supply	Power adapter: Input:AC100~240V/50~60Hz;Output:DC12V/5A/60W		
	Monitor: USB-A-Output:DC5V/2Ax3		
HD52-H Lens specifica	ations		
Optical Magnification	0.7X~5X		
Optical Resolution	When in 0.7X 16.78um	When in 3X 6.10um	
	When in 1X 11.18um	When in 4X 4.79um	
	When in 2X 8.39um	When in 5X 4.79um	

Monitor parameters	
Size	12.5"
Туре	a-Si TFT-LCD/IPS
Resolution	1920x1080
Color display	16.7M
Brightness	300 Nit
Contrast	800:1
Visible angle	170° horizontal & vertical

Dimensions



Packing list





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