

Video Microscope

VM-300



Product Characteristics:

- | Integral design, exquisite, fashion, generous;
- | With high definition 0.7~4.5X horizontal zoom lens, it is more convenient and fast to switch objective magnification, and it can enlarge with high magnification with optional APO 5X/10X lens;
- | With precision coarse and fine lifting system, ensure perfect focus and clear image;

| With adjustable LED bottom and surface illumination, when equipped with APO lens, it can used contour illumination and control brightness independently;

| Built-in FULL HD sensor and VGA integrated camera, can directly connect with the monitor to realize video image and can also use SD card to take picture or record video, which integrate video observation and image storage;

| Simple external interface: 12V power supply input and USB/VGA video output, SD card hole to make installation simpler.

Application:

Video Microscope is widely used in observing translucent or opaque material in electronics, metallurgy, chemical and instrumentation industry such as metal ceramic, integrated block, printed circuit boards, liquid crystal plate, film, fiber, coating and other non-metallic materials. Trinocular Video Microscope is also suitable for medicine, agriculture, forestry, public security, schools, scientific research departments for observation and analysis.

Technical Specification:

Product Name	Video Microscope
Model	VM-300
Code#	451-430
Electronic Magnification	16X~206X (16:9 21" Monitor)
Optical Objective	0.7X~4.5X horizontal zoom lens

	Zoom ratio 6.5 : 1 1X C-mount Camera Adapter 10X APO Lens: WD:35mm
Camera Parameter	2 million pixel (1920*1080) Image Size:1/2.86" Frames Per Second : 30fps
Camera Function	Photograph and Video Record Cross Line VGA/USB Output, SD Card Storage OSD: Comprehensive digital UI design, Wireless USB 2.0 Mouse Operation White Balance; Brightness Control; Digital Noise Reduction Picture Frozen,10X Digital Magnification
Measuring Function	Optional PC System and measuring software can measure image in the field of view.
Illumination	Bottom: Adjustable LED Illumination Surface: Adjustable LED Illumination
Microscope Stand	Z-axis Travel: 150mm

	Coarse/Fine Lifting System
Electrical Parameters	AC90~240V ; 50~60HZ
Dimension	290*280*400 mm
Packing Dimension	445*410*355 mm
Gross/Net Weight	7.0/4.7Kg

Standard Delivery:

Product Name	Specification
Microscope Main Body	VM-300
Power Adapter	DC12V
Mouse	Wireless
SD Card	8G
Operation Manual/Warranty	VM-300
Card/Certificate/Packing list	

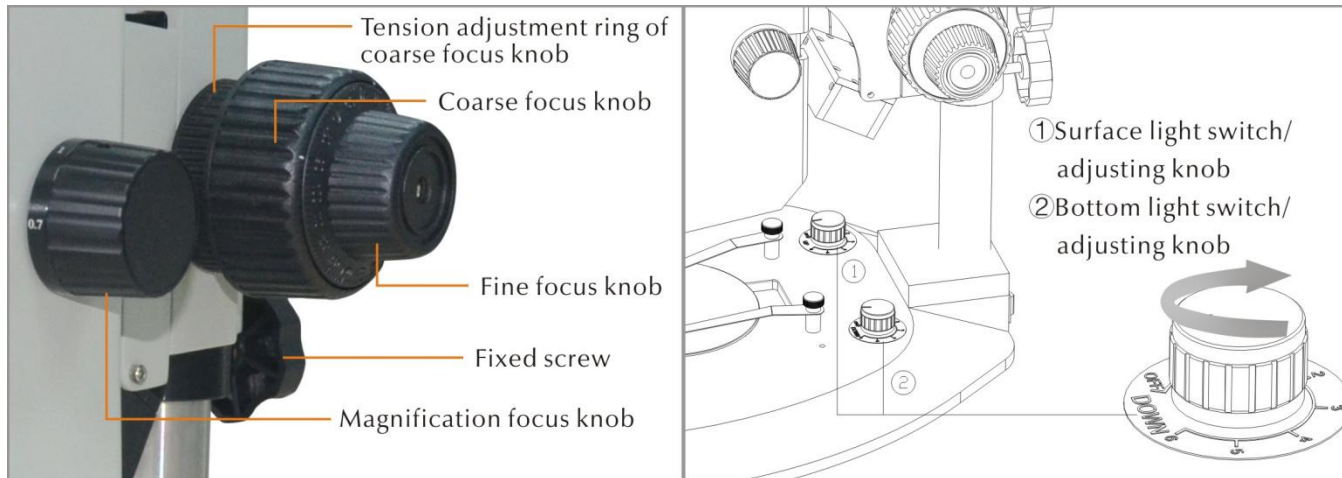
Camera Specification :

Image	Image Sensor	1920*1080 FULL HD Sensor 1/2.86"
	Effective Pixel	1920*1080
	Pixel Dimension	2.75*2.75um
	Frame Rate	30
	Definition	FULL HD
Function	White Balance	Auto, Manual
	Digital Magnification	Support 10X zoomed in and out
	Brightness Control	Auto, Manual
	Color	R/G/B Adjustable
	Frozen	Support
	OSD	Comprehensive digital UI design, Mouse Operation
	Enhance Edge Definition	Support
	Photograph and Video Record	Support
	Cross Cursor	Support, multiple color optional, coarse/fine adjustable

	Horizontal and Vertical Line	Support, multiple color, four horizontal and vertical line, position movable, coarse line adjustable
	Image Comparison	Support
	Wide Dynamic	Support
	Digital Noise Reduction	Support
Interface	VGA Interface	Standard VGA output
	Storage Interface	SD Card Slot
	USB Interface	Standard USB2.0 Interface, can connect to mouse and PC System

Field of View :

Auxiliary objective	Field of view (0.5X Camera Adapter)																		Remark
	0.7X			1X			2X			3X			4X			4.5X			
	Length	Width	Diagonal	Length	Width	Diagonal	Length	Width	Diagonal	Length	Width	Diagonal	Length	Width	Diagonal	Length	Width	Diagonal	
0.5X	Magnification 0.18X-1.12X																		Optional
WD:108mm	25.29	22.86	34.09	17.70	16.00	23.86	8.85	8.00	11.93	5.90	5.33	7.95	4.43	4.00	5.97	3.93	3.56	5.30	
1.0X	Magnification 0.35X-2.25X																		Standard
WD:91mm	12.64	11.43	17.04	8.85	8.00	11.93	4.43	4.00	5.97	2.95	2.67	3.98	2.21	2.00	2.98	1.97	1.78	2.65	
2.0X	Magnification 0.70X-4.50X																		Optional
WD:35.3mm	6.32	5.71	8.52	4.43	4.00	5.97	2.21	2	2.98	1.48	1.33	1.99	1.11	1.00	1.49	0.98	0.89	1.33	
10X APO	Magnification 7X-45X																		Optional
WD:35mm	12.64	114.3	170.4	88.5	80.0	119.3	44.3	40.0	59.7	29.5	26.7	39.8	22.1	20.0	29.8	19.7	17.8	2.65	



Focus

Illumination Adjustable

