

New Vision Industrial HD Video Microscope (BVM-2000N)

HD microscope

HD video observation with a variety of manual measurement, taking pictures, Video, U disk storage, image freezing, measurement data EXCEL output, a variety of functions and the use of the mouse button control;



Features:

This is an intelligent all in one microscope. Support high definition video/manual measurement/photographing/video/USB drive storage/image freezing/measuring data EXCEL output/graphic primitive EXCEL output/single reticle/double reticle/four transverse lines and four vertical lines/white balance adjustment/gain adjustment/saturation adjustment/reflection elimination adjustment/brightness adjustment/HDR depth of field adjustment/buttons and mouse dual control. An External HDMI Output is available for connecting a larger HDMI LCD display. USB interface for U-Disk storage.

Main Specifications:

Microscope:

Magnifications: 9.3X-114.3X(ZOOM) (optional magnifications: 18X-440X)
Built in 0.35X Video Coupler; 0.5X, 0.75X, 1X, 1.5X and 2X for options.
Standard 1X Objective Lens; 0.3X, 0.5X, 0.75X, 1.5X and 2X for options.
FOV: 23mm- 3mm; Max. 46mm for options
Working Distance: 100mm; Max.198 for options
Base Size: 260mm(X)*320mm(Y)
Height of the microscope: 480mm
Weight of the microscope: 5.5kgs

Camera:

2.0M HDMI, true color, no delay.
Max. Resolution: 1920*1080
Sensor: 1/2.86 inch SONY sensor
Pixel Size: 2.75*2.75 μ m
Frame Rate: 60fps@1920*1080
SNR: 65DB

LCD Display:

12 inch HD LCD display, 1080P, wide screen, multi angle adjustment.

Illumination:

High quality LED illumination, 144 LED bulbs.

Operation:

Wireless mouse or manual operation, image capture, U disk storage and measurement.

Optical Technical Parameters:

Objective	Items	CCD Coupler					
		0.35X	0.5X	0.75X	1X	1.5X	2X
0.5X	Magnification	0.1225~0.7875	0.175~1.125	0.2625~1.688	0.35~2.25	0.525~3.375	0.5~4.5
	FOV(mm)	46~7	35~5	23.5~4	17.6~3	11.8~2	8.8-1~3
	WD(mm)	198					
0.75X	Magnification	0.18375~1.18125	0.2625~1.6875	0.39375~2.53125	0.525~3.375	0.7875~5.0625	1.05~6.75
	FOV(mm)	31-4.7	23.5-3.6	15.7-2.4	12-1.8	7.8-1.2	6-0.9
	WD(mm)	131					
1X	Magnification	0.245~1.575	0.35~2.25	0.525~3.375	0.7~4.5	1.05~6.75	1.4~9
	FOV(mm)	23-3	17.6-2.7	12-1.8	9-16	6-0.98	4-0.7
	WD(mm)	96					
1.5X	Magnification	0.3675~2.3625	0.525~3.375	0.7875~5.0625	1.05~6.75	1.575~10.125	2.1~13.5
	FOV(mm)	15-2.3	11.8-1.8	7.8-1.2	6-0.99	4-0.61	3-0.4
	WD(mm)	63					
2X	Magnification	0.49-3.15	0.7~4.5	1.05~6.75	1.4~9	2.1~13.5	2.8~18
	FOV(mm)	11.6-1.7	8.8-1.3	6-0.9	4-0.71	3-0.41	2-0.3
	WD(mm)	46					

Warranty: one (1) year from the original date of purchase



