



Product Code . JL-M-8128

Digital Wide Field Stereo Zoom Trinocular Microscope

Description

Digital Wide Field Stereo Zoom Trinocular Microscope

Description:-

The stereo microscope offers ergonomic features such as synchronized bi-lateral inter-pupillary distance adjustments.

A fully coated optical system which provides sharp and clear imaging with extreme flatness and contrast.

With a large zoom range and long-working distance

Designed to be outfitted with a variety of lens accessories to increase or reduce magnification.

It provides the best reproduction and true color imaging.

Ideal for high-magnification, high-resolution observation in biological research, semi-conductor and other precision-oriented industries.

The trinocular model with the digital camera is excellent for photomicroscopy or use with an LCD screen.

They offer Plug-and-Play compatibility and come with user-friendly, efficient imaging software.

DN cameras are a new generation of routine cameras with high resolutions.

Plug-and-Play compatibility allows you to connect more than one camera to a PC at the same time, all you need to do is to plug it into your computer.

It is a good choice for research, medicine, education and industry applications.

Furthermore, the software allows 3rd party applications to set up and control DN cameras - which gives you more options.

Our software is free and easy to use and additional processing functions provide strong support for your scientific research.

Specification:-

Magnification	Total magnification: 6.7X~45X The magnification range can be enlarged to 3.4X~180X
Viewing Head	Trinocular head (50%/50% light splitting ratio), 45° inclined and 360° rotatable Interpupillary distance adjustable from 54mm-76mm
Eyepiece	Two diopter adjustment of +/-5 on both eyepieces 10X wide-field high eyepoint Paired 10X/22mm (Optional eyepieces WF15X/16mm, WF20X/12mm, Various reticles available) The eyepieces can be locked on with setscrews to prevent students from removing them
Zooming Body	Standard objective zooming magnification range: 0.67x ~ 4.5x, Zoom ratio: 1:6.7, parfocal Auxiliary objectives: 0.5X/177mm(working distance), 1.5X/47mm, 2X/26mm available Objective lens protective glass available (not included)
Working Distance	Standard working distance of 105mm, working distance range can be enlarged to 200mm
Focusing Arm	Two focusing knobs with tension adjustment, 100mm focus distance range Heavy duty rack and pinion focusing
Stage	Includes one 95mm glass stage plate and one 95mm reversible black/white stage plate Locked-on stage clips 2D Travelling stage available (not included)
Illumination	Top light: diagonally adjustable top incident LED light. Brightness can be continuously adjusted Bottom light: transmitted LED light. Brightness can be continuously adjusted independently Built in illumination system allows three ways of illumination: transmitted, incident, or combined Main On/off power switch. Besides, top and bottom lights can be switched on/off respectively
Imaging	Trinocular head available 50/50 light splitting ratio, with special interface, be able to connect with camera 0.5 focus adjustable C-mount (not included)
DN Series Digital Eyepiece Camera	Advanced camera control; Capturing high quality images. Great for observing live images on your screen and saving them Simply install the IS Capture easy to use software. Compatible with Windows XP/7 / Vista / Mac OS X

	Acquisition of still images and video. Available image types: JPEG, BMP, TIFF and
	Extend depth of focus (Focus Stacking)
	Image management and image stitching
	High dynamic range (HDR) function
	Fluorescence imaging settings; fluorescence combination function for still images
	Live image measurements; still image measurement

Digital Camera:-

Pixel size(?m)	1.67×1.67	2.2×2.2	3.2×3.2	
Effective pixels	10.0MP	5.0MP	3.0MP	
Max. Resolution (H×V)	3664×2748	2592×1944	2048×1536	
Scan mode	Progressive	Progressive	Progressive	
Shutter	Rolling shutter	Rolling shutter	Rolling shutter	
Frame rate	3fps (3856 × 2764)	5fps (2592 × 1944)	10fps (2048 × 1536)	
	8fps (1832 × 1370)	21fps (1280*960)	25fps (1024 × 768)	
	28fps (916 × 680?4 × 4Bin)	25fps (1024 × 768)	40fps (640 × 480)	
	--	38fps (640 × 480)	—	
Color depth	24bit	24bit	24bit	
Exposure Control	Manual/Auto	Manual/Auto	Manual/Auto	
Integration Time (S)	0.001-1	0.001-0.8	0.001-0.5	
White Balance	Manual/Auto	Manual/Auto	Manual/Auto	
Operating humidity	45%-85%	45%-85%	45%-85%	
Operating system	Windows / Linux / Mac	Windows / Linux / Mac	Windows / Linux / Mac	
Data interface	USB2.0/480Mb/s	USB2.0/480Mb/s	USB2.0/480Mb/s	