



Product Code . JL-M-8077

Digital Trinocular Microscope 5W LED Kohler Illumination

Description

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Microscope Specifications:-

Viewing Head	JLab trinocular head which will not
	30° inclined and 360° rotatable, full
Eyepiece	Interpupillary adjustment of 48mm-
	Widefield (WF) 10x/22mm
Nosepiece	High eyepoint, with eyeguard
	Both eyepieces are diopter adjusta
Objectives	Optional reticule eyepiece for meas
	Revolving reversed quadruple obje
Focusing System	The nosepiece runs on ball bearing
	Plan Achromatic DIN 4X/0.10 160/
	Plan Achromatic DIN 10X/0.25 160
	Plan Achromatic DIN 40XR/0.65 16
	Plan Achromatic DIN 100XR/1.25 c
	40XR and 100XR objectives are re
	Low position coaxial coarse and fin
	37.7mm per coarse rotation
	0.1mm per fine rotation, fine focus

		Focusing range 16mm
		Tension adjustment eliminates focus drift
Stage		216mmx150mm built-in double layer stage
		Smooth X/Y calibrated movement with 0.1µm resolution
		Non-extending rack
		Graphite surface, rounded edges
Illumination		Built-in Kohler illumination with field of view 22mm
		N.A. 1.25 Abbe condensers which illuminate the entire field of view of the specimen
		Adjustable aperture iris diaphragm with 17 positions
		graduated scale indicates the appropriate aperture for given N.A.
		5w LED for optimum illumination at 500nm
		With light intensity control
Imaging		Trinocular phototube (50% vis, 50% obs) for viewing or imaging
		computer or screen.
Other characters		0.5x C-mount included
		Ergonomically designed metal frame
		Carrying handle integrated in the base
		Arm and base made of one piece of aluminum
		Antifungal treatment prevents fungal growth
Optional Accessory	Available (not included)	Cord holder for convenient storage
		Dark field kit
		Polarizing kit
DN Series Digital Eyepiece Camera		1x C-Mount
		Advanced camera control
		Capturing high quality images. Greater contrast
		Simply install the ISCapture easy to use software
		Acquisition of still images and video
		Extend depth of focus (Focus Stacking)
		Image management and image stitching
		High dynamic range (HDR) function
		Fluorescence imaging settings; fluorescence quantification
		Live image measurements; still image measurements

Camera Specification:-

Pixel size(?m)	1.67 × 1.67	2.2 × 2.2
Effective pixels	10.0MP	5.0MP
Max. Reseolution (H×V)	3664 × 2748	2592 × 1944
Scan mode	Progressive	Progressive
Shutter	Rolling shutter	Rolling shutter

Frame rate	3fps (3856 × 2764)	5fps (2592 × 1944)
	8fps (1832 × 1370)	21fps (1280 × 960)
	28fps (916 × 680?4 × 4Bin)	25fps (1024 × 768)
	--	38fps (640 × 480)
Color depth	24bit	24bit
Exposure Control	Manual/Auto	Manual/Auto
Integration Time (S)	0.001 - 1	0.001 - 0.8
White Balance	Manual/Auto	Manual/Auto
Operating humidity	45% - 85%	45% - 85%
Operating system	Windows / Linux / Mac	Windows / Linux / Mac
Data interface	USB2.0/480Mb/s	USB2.0/480Mb/s
