

1. BS-1002 Monocular Video Microscope



BS-1002

Introduction

BS-1002 Monocular Video Microscopes is designed for the applications in the fields of machine vision, industrial inspection and scientific research. Modularization product portfolio and excellent optical performance make them a better choice in these areas.

Features

1. Zoom ratio

Zoom ratio 1:6.4, zoom range 0.7x-4.5x, standard working distance 80mm, can meet the requirement of machine vision conventional imaging.

2. Compact design

Compact design, so that all functions are concentrated in a tube, it is very suitable for the small installation space in modern equipment.

3. Economical and practical

Cost-effective. There are also different stands for option.

Application

BS-1002 series Monocular Video Microscope are widely used in educational demonstration, agriculture research, industrial material, semi-conductor, integrated circuit board inspection area and so on. Widely used in electric equipment, semi-conductor, LCD and LED, for digital image observation, inspection and measurement.

Specification

Item	Specification	BS-1002
Zoom Lens	Optical zoom magnification: 0.7X-4.5X	●
Zoom ratio	1:6.4	●
Mounting Size	Φ50mm	●
LCD Digital Camera	BLC-480A LCD digital camera with HDMI2.0, USB3.0 and WIFI multi output, 60fps@4K or 60fps@1080P, can capture 8M (3840*2160) pictures, 4K videos and do measurement, control with mouse. With 13.3 inch LCD screen, resolution 1920*1080.	○
	BLC-480B LCD digital camera with HDMI2.0, USB2.0 and WIFI multi output, 30fps@4K or 60fps@1080P, can capture 8M (3840*2160) pictures, 4K videos and do measurement, control with mouse. With 13.3 inch LCD screen, resolution 1920*1080.	○
	BLC-580A LCD digital camera with HDMI2.0, USB, LAN and WIFI multi output, 60fps@4K or 60fps@1080P, can capture 8M (3840*2160) pictures, 4K videos and do measurement, control with mouse. With 13.3 inch LCD screen, resolution 1920*1080.	○
	BLC-580AF LCD digital camera with HDMI2.0, USB and WIFI multi output, with built-in Auto Focus system, 60fps@4K or 60fps@1080P, can capture 8M (3840*2160) pictures, 4K videos and do measurement, control with mouse. With 13.3 inch LCD screen, resolution 1920*1080.	○
C-mount Adapter	0.3X C-mount adapter	○
	0.5X C-mount adapter	●
	1.0X C-mount adapter	○
Ring Light	BAL-80A LED Ring light, brightness adjustable	○
	BAL-52AP LED polarizing ring light, brightness adjustable	○
	BAL-52ASL LED side ring light, brightness adjustable	○
	BAL-228A Four-zone lighting control separately big area LED ring light	○
	BAL-228AG LED four-zone ring light with frosted glass	○
	BAL-16P LED polarizing ring light, brightness adjustable	○
	BAL-52A LED Ring light, brightness adjustable	○
Back Light	BTL-60A LED back light	○
Point Light	BPL-3A LED point light, 3W, brightness adjustable.	○
	BPL-3MC LED multi color point light, 3W, white, purple, blue, yellow, red, green and mixed light, brightness adjustable	○
	BPL-4A LED point light with numerically adjustable light adapter, 4W, brightness adjustable	○
Bar Light	BBL-5A bar LED illuminator, 60 LED, 12V/5W	○
Cold Light Source	BSL-3B LED light source with dual goose neck light guide, 6.5W	○

	BSL-15A-2 Cold LED light source with Dual Light Guide, 15W LED lamp	○
	BSL2-150A-2 Cold light source with Dual Light Guide, 21V/150W Halogen lamp	○
Stage	BMS-302 X-Y moving stage	○
	BMS-303 X-Y moving stage	○
	BMS-311 X-Y measuring stage	○
	BMS-316A X-Y measuring stage	○
	BMS-316B X-Y measuring stage	○
	BMS-400A large working stage	○
	BMS-260A XY working stage	○
Stand and focus Arm	BA1 Round type column plain stand with coarse focus arm. Stroke: 50mm.	○
	BA2 Round type column plain stand with coarse focus arm, transmitted 12V/5W LED illumination, brightness adjustable. Stroke: 50mm.	○
	BA3 Round type column plain stand with coarse and fine focus arm. Stroke: 67mm, fine precision: 0.002mm.	○
	BA4 Round type column plain stand with coarse and fine focus arm, transmitted 12V/5W LED illumination, brightness adjustable. Stroke: 67mm, fine precision: 0.002mm.	○
	BA5 Square type column plain stand with coarse focus arm. Stroke: 150mm.	○
	BA6 Square type column plain stand with coarse focus arm, transmitted 12V/5W LED illumination, brightness adjustable. Stroke: 150mm.	○
	BA7 Square type column plain stand with coarse and fine focus arm. Stroke: 260mm, fine precision: 0.002mm.	○
	BA8 Square type column plain stand with coarse and fine focus arm, transmitted 12V/5W LED illumination, brightness adjustable. Stroke: 260mm, fine precision: 0.002mm.	○
	BA9 multi-angle column plain stand with coarse focus arm. Stroke: 60mm.	○
	BA10 multi-angle column plain stand with coarse and fine focus arm. Stroke: 60mm, fine precision: 0.002mm.	○
	BA11 universal boom stand with coarse focus arm. Column height: 320mm, horizontal column length: 340mm, Φ 32mm, 360° rotatable. Base size: 330mm*300mm. Stroke: 50mm.	○
	BA12 universal boom stand with coarse and fine focus arm. Column height: 320mm, horizontal column length: 340mm, Φ 32mm, 360° rotatable. Base size: 330mm*300mm. Stroke: 65mm, fine precision: 0.002mm.	○
	BA13 Round type column large plain stand with coarse focus arm. Column height: 320mm, Φ 25mm, stroke: 50mm, base size: 380mm*260mm. Gross weight: 1.5kg.	●
	BFA-1 coarse focus arm. Stroke: 50mm.	○
	BFA-2 coarse and fine focus arm. Stroke: 65mm, fine precision: 0.002mm.	○
BFA-3 multi-angle coarse focus arm, angle adjustable. Stroke: 50mm.	○	
BFA-4 multi-angle coarse and fine focus arm, angle adjustable. Stroke: 60mm, fine precision: 0.002mm.	○	
BFA-5 electric coarse and fine focus arm, supporting manual focusing and electric focusing. It has 5 preset positions, paired with 5 different magnification objectives. Stroke: 65mm, fine precision: 0.005mm.	○	

	BFA-6 N interface coarse focus arm. Stroke: 50mm.	○
	BFA-7 N interface coarse and fine focus arm. Stroke: 65mm, fine precision: 0.002mm.	○

Note: ●Standard Outfit, ○Optional

Optical Parameter

Model	BS-1002
Zoom body	0.7-4.5X
C-mount adapter	0.5X
Optical Magnification	0.35X-2.25X
FOV	13.7mm*10.3mm-2.1mm*1.6mm
Working Distance	80mm
Mount	Standard C mount

Accessories



C-mount adapter

Application

BS-1002LCD1 Digital LCD Video Microscope is widely used in industrial testing, semiconductor, microelectronics, precision hardware, animal and plant morphology, criminal detection and identification and other industries.

Product Details



Specification

Item	Specification	BS-1002LCD1
Zoom Lens	Optical zoom magnification: 0.7X-4.5X	●
Zoom ratio	1:6.4	●
Mounting Size	Φ 50mm	●
Camera	Camera, 1/2" sensor, 12 mega-pixels	●
Monitor	9-inch LCD with arm stand, resolution: 1024*600, storage: TF card	●
C-mount Adapter	0.3X C-mount adapter	○
	0.5X C-mount adapter	●
	1.0X C-mount adapter	○
Ring Light	BAL-80A LED Ring light, brightness adjustable	●
	BAL-52AP LED polarizing ring light, brightness adjustable	○

	BAL-52ASL LED side ring light, brightness adjustable	○
	BAL-228A Four-zone lighting control separately big area LED ring light	○
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Bar Light	BBL-5A bar LED illuminator, 60 LED, 12V/5W	○
Cold Light Source	BSL-3B LED light source with dual goose neck light guide, 6.5W	○
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Stage	BMS-302 X-Y moving stage	○
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Working Distance	80mm
Mount	Standard C mount
Digital LCD Screen	
Resolution	1024*600
Photo Pixel	12 mega-pixels
Interface	USB 2.0 to connect to PC
Storage	TF card
Function	Take photo, video, loop recording, multiple shots and play back