

WWW.SUNNY-OPTICS.COM

Ningbo Sunny Instruments Co.,Ltd.
Add: 66-68 Shunyu Rd., Yuyao, Zhejiang
315400 China
Tel : 0086-574-62530024
Fax : 0086-574-62530066
E-mail : sales@sunny-optics.com
Http://www.sunny-optics.com



SZ7

Series Monocular Zoom Stereo Video Microscope

NINGBO SUNNY INSTRUMENTS CO.,LTD

Monocular Zoom Stereo Video microscope
is of the optical system providing wide
viewing field, sharp image, high resolution,
long working distance, high magnification
and strong stereoscopic impression.



SZ7 Series Monocular Zoom Stereo Video Microscope

It is a good microscope used in electronic equipment, semi-conductor, laser, LED, LCD, industrial online testing and biological research and other industries for observation, inspection and measurement.

Function and characteristics

- High quality optical system and fully coated optical system integrated into sharp and clear images.
- Zoom stereo objectives, high resolution, and clearance.
- Focusing knobs also used for tension adjustment.
- SZ7D Standard magnification: 0.7X-5X, SZ7CHI Standard magnification range: 1X-7X.
- Total magnification: SZ7/CHIB5 0.4X-2.8X; SZ7/DB5 0.28X-2X.
- Working distance: SZ7/DB5: 105mm; SZ7/CHIB5: 100mm



Focusing Bracket

Focusing range: 42mm
Pillar size: $\varnothing$ 32mm
Drawtube size: $\varnothing$ 50mm
Dimension from centerline of post to centerline of optics: $\varnothing$ 150mm
Designed for used with B4, B5, BL3, SZSTL1, SZSTL2 Base



Large rectangular stand

Post height: 280mm
Pillar size: $\varnothing$ 32mm
Stage size: 320mmX260mmX16mm

Base & Stand



Fan base and pillar stand

With clip and $\varnothing$ 100mm white/black plate
Post height: 248mm
Pillar size: $\varnothing$ 32mm
Stage size: 210mmX273mmX22mm



Arm and pillar stand

To observe specimen from any direction or any angle.
Vertical post height: 380mm, Pillar size: $\varnothing$ 32mm
Focusing post height: 140mm, Pillar size: $\varnothing$ 32mm
Horizontal adjustment range: 235mm
Stage size: 210mmX260mmX20mm



Pillar style for incident and transmitted LED light stand

Power supply 110V-240V, the LED adjustable brightness, ergonomic design has made it comfortable and stable.
Post height: 280mm
Pillar size: $\varnothing$ 32mm
Stage size: 303mmX290mmX47mm



Double arm and pillar stand

The dual arm design provides exceptional stability.
Vertical post height: 380mm, Pillar size: $\varnothing$ 32mm
Focusing post height: 140mm, Pillar size: $\varnothing$ 32mm
Horizontal adjustment range: 235mm
Stage size: 210mmX260mmX20mm

Auxiliary illuminator



Cold light source

The unit comprises small volume, light weight, high efficiency, long life, sturdy power supply output, 100W, 150W, color temperature: 3200K, and a filter assembly.



Ring light

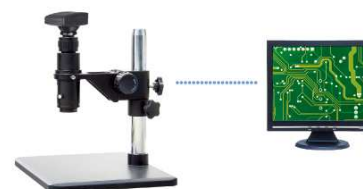
It supplies high brightness and even illumination, and is convenient and easily to be used, long life, 220V/8W.



LED illuminator

It owns small size, low power consumption, long life, small volume, brightness adjustable and stable.

Digital video device

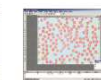
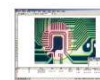
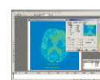


Sunny Photolib

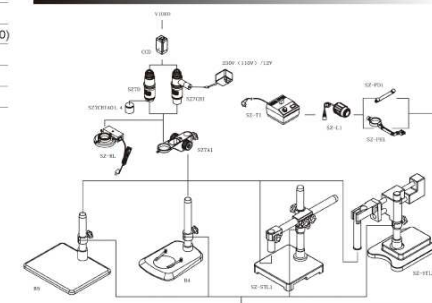
Function	- Support Twain interface and VFW interface frame grabber; - Support color adjustment, image transform, Morphological processing, image enhancement; - Support 24 bit true color image capture. Support RGB CMY HSV YUV color models processing and analysis; - Support Undo, Redo; - Support geometry parameters measurements; - The analysis results can output to html files or Clipboard. Print can be performed using specified format or report. The image can be printed with photo quality.
Operation systems	Support WIN95, WIN98, WIN2000 and WINXP operation systems (both English and Chinese)

Digital video system specification

Image Device	Import CMOS, 1/2 interline, USB2.0 output
Effective Pixels	200M pixels (or above), 1600X1200(effective pixel)
Frame rate	10 field/second (1600X1200), 40 field/second (800X600)
Exposure	Auto/manual
White balance	Auto/manual
Input voltage	USB bus power, or external 6VDC, 500mA



SZ7 Zoom Stereo Video Microscope Configuration Chart



SZ7 Series Monocular Zoom Stereo Video Microscope Specification

Parts	Specification	Model		Order No.
		SZ7/DB5	SZ7/CHIB5	
Monocular Zoom Stereo Video Microscope	0.7X-5X, with CCD port 1X-7X, with CCD port, Coaxial focus LED light	● /	/ ●	SZ7D SZ7TRCHI
Auxiliary Objective	1X/ Working distance: 105mm 1.4X/ Working distance: 100mm	● /	/ ●	SZ7AO1 SZ7CHIAO1.4
Focus Arm	SZ7A1	●	●	SZ7A1
Base (used with SZ7A1)	B4	○	○	B4
	B5	●	●	B5
	BL3	○	○	BL3
	SZSTL1 SZSTL2	○ ○	○ ○	SZSTL1 SZSTL2
Transformer	230V/12V	○	●	
	85V-265V/12V	○	○	
	85V-265V/12V(adjustable)	○	○	
Illuminator Bracket	SZFH1/SZPD1	○	○	SZFH1/ SZPD1
Transformer	SZT1	○	○	SZT1
Light	SZL1 (12V/15W)	○	○	SZL1
Ring light	220V/8W	○	○	LY220-8
Ring LED light	36/40/54	○	○	LLED36/40/54
Cold light	Ring/Double/Single light	○	○	RLP/ DLP/ SLP

●: Standard specification

○: Optional parts