

Series Zoom Stereo Microscope

SZM7045 Series

**Brand-new Optical Design,
The Best Reproduction and True Color Image**

SZM7045 Stereoscopic Zoom Microscope

KOPTIC 한국광학

303 Dongwoo B/D 265-10 Yangjae-Dong, Seocho-Gu, Seoul (137-130)

TEL : 82-2-2038-8854 FAX : 82-2-6499-0868

MOBILE : 82-10-6319-2038

www.koptic.co.kr



SZM7045 Series Stereo Zoom Microscope

SZ6745 series stereo zoom microscope, fully coated optical system sharp and clear image with extremely good flatness and contrast. The images are brighter and more distinct even as the periphery of the field of view. With their large zoom range and long-working distance. These are ideal for high-magnification, high-resolution observation in biological research, precision-oriented semiconductor and other industries.



SZM7045 Series Technical data

Magnification	Standard spec. 7X~45X, optional eyepiece or auxiliary objective can make magnification to 3.5X~180X	
Objective	Standard spec. 0.7X~4.5X zoom objective, zoom ratio 6.4:1, ensure parfocality	
Viewing head	45°, 60° inclined, 360° Rotate, interpupillary distance: 54~76mm, diopter adjusting range ±6	
	Articulated binocular or trinocular head, splitting ratio 20%/80%	
Adjustable eyepiece	Standard spec. 10X/20mm, large sight, wild field, high point, 50%/50% spectral	
Optional eyepiece	10X/20mm, 15X/15mm, 20X/10mm (object micrometer is available)	
Working distance	Standard: 100mm, Auxiliary objective can make it to 30mm~165mm	
Auxiliary objective	0.5X/165mm, 1.5X/45mm, 2X/30mm for option	
Focus arm	Adjustable lift range: 50mm	
Up illumination	12V/15W halogen reflected illumination	Independent switches and light source, Brightness can be continuously adjusted independently Fluorescent transmitted illumination, Brightness fixed LED lighting more even, the brightness more stable Low voltage security, low consumption, low calorific value, long service life
	Super bright LED reflected illumination	
Down illumination	12V/15W halogen transmitted illumination	
	Super bright LED transmitted illumination	
Videotape interface	With special interface, connect to usual camera, digital camera, imitate CCD, digital CCD, VGA	



SZM7045 Series Viewing head



7045 Binocular head
with WF10X/20mm eyepiece

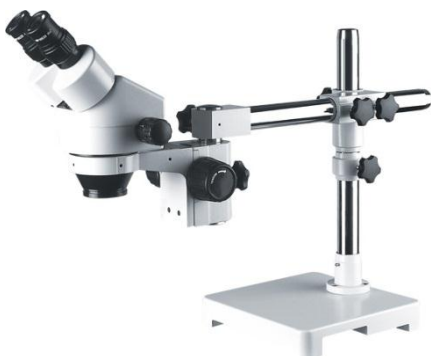


7045 Trinocular head with 1XCTV,
WF10X/20mm eyepiece



Feature

- High-quality optical system
- Coated with a special coating of optical components, flat surface and excellent contrast, especially in the peripheral field of view, more clearly in the image quality.
- A wide range of magnification
- With zoom lens 0.7X~4.5X(zoom ratio: 6.4:1), standard magnification is 7X~45X
- Kinds of eyepiece and auxiliary objectives for option, magnification can be 3.5X~180X
- Long and efficient working distance
- Standard working distance is 100mm, with auxiliary objective, working distance can be 30mm~165mm
- Satisfy variety of demand and workplace
- Comply with the structure of ergonomic design
- Viewing head, 45° inclined, 360° rotatable, the best eye-point height
- Binocular diopter adjustable to ensure different user can get clear image.
- With left and right zoom hand wheel, make operation comfortable and easy, and high precision when repeat operate.





SZM7045 Series Technical data

Eyepiece	Standard		Auxiliary lens 0.5X		Auxiliary lens 1.5X		Auxiliary lens 2X	
	Working distance 100mm		Working distance 165mm		Working distance 45mm		Working distance 30mm	
	Magnification view field	Field of video	Magnification view field	Field of video	Magnification view field	Field of video	Magnification view field	Field of video
10X/20mm	7.0X	28.6mm	3.5X	57.1mm	10.5X	19mm	14X	14.3mm
	45.0X	4.4mm	22.5X	8.9mm	67.5X	3mm	90X	2.2mm
15X/15mm	10.5X	21.1mm	5.25X	42.8mm	15.75X	14.3mm	21X	10.7mm
	67.5X	3.3mm	33.75X	6.7mm	101.25X	2.2mm	135X	1.7mm
20X/10mm	14.0X	14.3mm	7.0X	28.6mm	21.0X	9.5mm	28X	7.1mm
	90.0X	2.2mm	45.0X	4.4mm	135.0X	1.5mm	180X	1.1mm



High Point Eyepiece

WF10X/20mm, WF15X/15mm, WF20X/10mm, for option



Auxiliary Objective

XTAO2/30mm, XTAO1.5/45mm, XTAO0.5/165mm for option



Video C-mount

1XCTV, 1/2XCTV, 1/3XCTV



LED Ring Lamp

Color temperature: 6400K
 Input power: 24V/6W
 Power Supply: AC90-265V, 50/60HZ
 56 LED bulbs, Ring light is divided into



SZ A1 focus arm

Drawtube size: Ø76mm
 Pillar size: Ø32mm



SZ A3 focus arm

Drawtube size: Ø76mm
 Join size: Ø15.8mm



SZM7045 Series Stand Base



B6 Pillar flat base

Base with clip and Ø95mm black & white working board
Pillar: High 240mm
Diameter: Ø32mm
Base size: 205x275x25mm



B7 Vertical flat base

Base with clip and Ø95mm black & white working board
Vertical size: 300mm
Focus distance: 100mm
Drawtube size: Ø76mm
Base size: 205x275x25mm



B9L Vertical fan LED base

Reflected and transmitted LED illumination
Independent switch, adjustable brightness
Low-voltage security, small power consumption
Low heat, long life
Vertical size: 300mm
Focus distance: 100mm
Drawtube size: Ø76mm
Base size: 205x275x42mm



B5 Vertical big flat base

Vertical size: 300mm
Focus distance: 100mm
Drawtube size: Ø76mm
Base size: 380x260x20mm



SZM7045 Series Stand Base



J1 Pillar flat base

Base with clip and Ø95mm black & white working board
Pillar: High 240mm
Diameter: Ø32mm
Base size: 285x238mm



J2 Vertical flat base

Base with clip and Ø95mm black & white working board
Vertical size: 300mm
Focus distance: 100mm
Drawtube size: Ø76mm
Base size: 285x238mm



STL1 Single arm base

Expand the scope of operation, any orientation and angle observed the objectives
Vertical pillar: High 38mm
Diameter: Ø32mm
Horizontal moving: 235mm
Base size: 230x230x40mm



STL2 Double arm base

Expand the scope of operation, any orientation and angle observed the objectives
Vertical pillar: High 38mm
Diameter: Ø32mm
Horizontal moving: 235mm
Base size: 210x260x40mm