

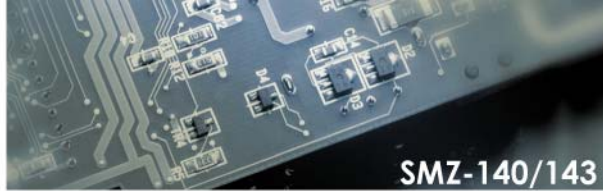
Motic®

SMZ *Zoom Stereo* Microscopes



SMZ-140

SMZ-168

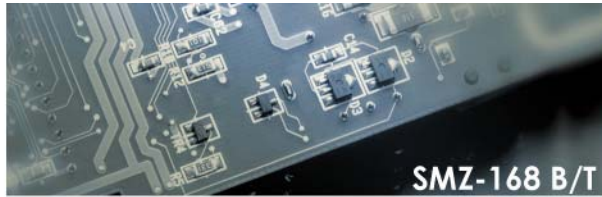


Cost-effective zoom stereo microscope

- in industrial inspection and assembly applications
- for teaching and training in natural sciences



SMZ-140	STANDARD	ADDITIONAL ACCESSORIES
MICROSCOPE BODY		
▶ Optical System	Greenough	
▶ Magnification	10X - 40X	1.75X - 120X
▶ Zoom Ratio	1 : 4	
▶ Working Distance	80mm	33mm - 200mm
▶ Tube Inclination Angle	45°	
OBJECTIVE	1X	0.35X, 0.5X, 0.75X, 1.5X
EYEPIECE	Widefield 10X FN = 20mm	5X/22, 15X/13, 20X/10
STAND	N2GG	FBGG
▶ Type	Transmitted illumination stand	Large working area transmitted illumination stand
▶ Frame Installation	Mounting diameter: 74mm	
▶ Focusing Adjustment	48mm	
▶ Stage Plate	Black & white, frosted glass plate	
▶ Light Source	Transmitted illumination: Halogen Reflected illumination: Halogen	
▶ Light Options	Input rating: 12V/10W	
	Cold light illumination Fluorescent ring illuminator attachable	
MODEL OPTIONS		
	SMZ-143 [Trinocular]	
	DM-143-B [Digital - 2.0 megapixels]	
	DMW-143 [Digital - 3 simultaneous outputs]	



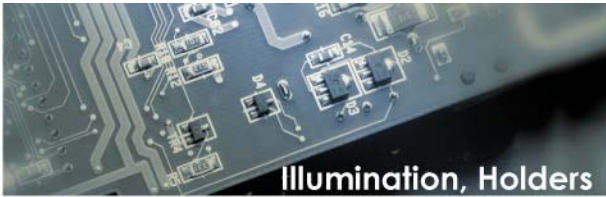
SMZ-168 B/T

High-performance, budget-friendly zoom stereo microscope

- for industrial quality control and assembly
- for routine inspections and research



SMZ-168	STANDARD	ADDITIONAL ACCESSORIES
MICROSCOPE BODY		
▶ Optical System	Greenough	
▶ Magnification	7.5X - 50X	1.1X - 320X
▶ Zoom Ratio	1 : 6.7	
▶ Working Distance	113mm	34.5mm - 324mm
▶ Tube Inclination Angle	35°	60°
OBJECTIVE		
	1X	0.3X, 0.5X, 0.63X, 0.75X, 1.5X, 2.0X
EYEPIECE		
	Widfield 10X, FN = 23mm	5X/23, 6.25X/23, 10X/21, 15X/17, 20X/13, 30X/8, 32X/8
STAND		
▶ Type	Transmitted illumination stand	Streamlined stand
▶ Frame Installation	Mounting diameter: 76mm	
▶ Focusing Adjustment	50mm	
▶ Stage Plate	Black & white, frosted glass plate	
▶ Light Source	Transmitted illumination Halogen	Cold light illumination
	Reflected illumination Halogen	Fluorescent ring illuminator attachable
	Input rating: 12V/10W	
MODEL OPTIONS		
	SMZ-168-T [Trinocular]	
	SMZ-168-60 [60° inclined]	



Illumination

<p>MLC-150 w/Ring Light Guide Item No.: SP120070 / SP990074 150W output 2500-3200K Colour Temperature Numerous Light Guide Attachments Filter Holder</p>	
<p>K2401 Item No.: SP120048 Pure White Fluorescent Illumination 12W Output, 510Lm 6400K Colour Temperature</p>	

Holders



<p>SMZ-140 Industrial Arm Item No.: SP120001</p>	
<p>SMZ-140 Focusing Block Item No.: SP120003</p>	
<p>SMZ-168 Focusing Block Item No.: AX6602605B</p>	
<p>SMZ-168 Industrial Arm Item No.: SP990069</p>	
<p>SMZ-168 Industrial Arm [Bonder] Item No.: AX6602647</p>	



Stereo Specifications

		SMZ-140	SMZ-168
Auxiliary Objectives		✓	✓
Eyepieces		✓	✓
Plain Stand		✓	✓
Optional Stands		✓	✓
Bright Field	Reflected	✓	✓
	Transmitted	✓	✓
	Mixed	✓	✓
Darkfield		✓	✓
Polarization		✓	✓
Trinocular Version		✓	✓
60°		✓	✓
Documentation	Photo	✓	✓
	Video/Digital	✓	✓

Camera Adapters

		SMZ-143	
 Photo Adapter	2X Photo adapter [35mm SLR camera]		SP100002
	0.4X CCD adapter [1/3" CCD Camera]		SP100008
	0.5X CCD adapter [1/2" CCD Camera]		SW0113N3
		SMZ-168	
 CCD Adapter	2X Photo adapter [35mm SLR camera]		AX6602603
	0.35X CCD adapter [1/3" CCD Camera]		AX6602602
	0.65X CCD adapter [1/2" CCD Camera]		SW0113R5

Eyepieces

SMZ-140			
	WF 5X / 22mm	SG02T0605	
	WF 10X / 20mm	SG02T0220	
	WF 15X / 13mm	SG02T0313	
	WF 20X / 10mm	SG02T0409	
SMZ-168			
	WF5X / 23mm	SG02T0606	
	WF 6.25X / 23mm	SG02T0103	
	WF 10X / 23mm	SG02T0218	
	WF 15X / 17mm	SG02T0318	
	WF 20X / 13mm	SG02T0406	
	WF30X / 8mm	SG02T0701	
	WF 32X / 8mm	SG02T0502	

Auxiliary Objectives

SMZ-140		Mag.	W.D.	Item No.
	0.35X	200 mm	SG01T14203	
	0.5X	133 mm	SG01T01201A	
	0.75X	89 mm	SG01T02201A	
	1.5X	33 mm	SG01T11201A	
SMZ-168		Mag.	W.D.	Item No.
	0.3X	324 mm	AX6602607	
	0.5X	192 mm	AX6602608	
	0.63X	156 mm	AX6602643	
	0.75X	130 mm	AX6602609	
	1.5X	50 mm	AX6602610	
	2.0X	34.5 mm	AX6602611	

Motic® Microscopes

www.motic.com

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