

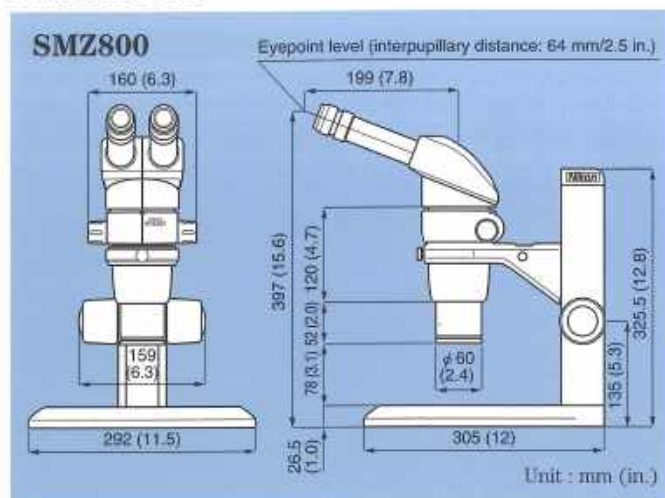
Nikon

Stereoscopic Zoom Microscope

SMZ800



Dimensions



Magnification, Actual Field of View, Working Distance

Objectives	Working distance (mm)	10X eyepiece C-W10X (F.N. 22) Reticle (dia. ϕ 25mm)		15X eyepiece C-W15X (F.N. 16) Reticle (dia. ϕ 19mm)		20X eyepiece C-W20X (F.N. 12.5) Reticle (dia. ϕ 15mm)		30X eyepiece C-W30X (F.N. 7) Reticle (dia. ϕ 12mm)	
		Magnification	F.O.V. (mm)	Magnification	F.O.V. (mm)	Magnification	F.O.V. (mm)	Magnification	F.O.V. (mm)
P-Plan 1X	78	10.0	22.0	15.0	16.0	20.0	12.5	30	7.0
		63.0	3.5	94.5	2.5	126.0	2.0	189	1.1
P-Achro 0.5X	189	5.0	44.0	7.5	32.0	10.0	25.0	15	14.0
		31.5	7.0	47.3	5.1	63.0	4.0	94.5	2.2
P-ERG Plan 1X ERGO	50	10.0	22.0	15.0	16.0	20.0	12.5	30	7.0
		63.0	3.5	94.5	2.5	126.0	2.0	189	1.1
ED Plan 0.5X	155	5.0	44.0	7.5	32.0	10.0	25.0	15	14.0
		31.5	7.0	47.3	5.1	63.0	4.0	94.5	2.2
ED Plan 0.75X	117	7.5	29.3	11.3	21.3	15.0	16.7	22.5	9.3
		47.3	4.7	70.9	3.4	94.5	2.6	141.75	1.5
ED Plan 1X	84	10.0	22.0	15.0	16.0	20.0	12.5	30	7.0
		63.0	3.5	94.5	2.5	126.0	2.0	189	1.1
ED Plan 1.5X	50.5	15.0	14.7	22.5	10.7	30.0	8.3	45	4.7
		94.5	2.3	141.8	1.7	189.0	1.3	283.5	0.7
ED Plan 2X	40	20.0	11.0	30.0	8.0	40.0	6.3	60	3.5
		126.0	1.7	189.0	1.3	252.0	1.0	378	0.6
ED Plan Apo 1X	82	10.0	22.0	15.0	16.0	20.0	12.5	30	7.0
		63.0	3.5	94.5	2.5	126.0	2.0	189	1.1

*1: Reticle can be inserted into C-W10X, 15X, 20X, and 30X eyepieces.

*2: Dedicated reticles C-FG, C-FM and C-FP are available for C-W10X.

*3: P-OBA Objective Adapter is necessary when using ED Plan and ED Plan Apo series objectives.

Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. January 1999.

WARNING

TO ENSURE CORRECT USAGE, READ THE CORRESPONDING MANUALS CAREFULLY BEFORE USE.

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Specifications—SMZ800

Optical system	Parallel-optics zoom system
Total magnification	5X to 378X depending on eyepiece and objective used. (15X to 283X when coaxial episcopic illuminator is attached)
Eyepiece tubes	Standard Binocular, Low Eye-level Binocular, Tilting Binocular
Eyepiece inclination	20° (Standard Binocular)/20° (Low Eye-level Binocular)/0-30° (Tilting Binocular)
Interpupillary distance adjustment	48-75mm (1.9-3.0 in.)
Eyepieces (with diopter adjustment)	C-W10X (F.N. 22), C-W15X (F.N. 16), C-W20X (F.N. 12.5), C-W30X (F.N. 7)
Zooming range	1X to 6.3X
Zooming ratio	6.3 : 1
Objectives	P-Plan 1X, P-Achro 0.5X, P-ERG Plan 1X, ERGO, ED Plan 0.5X, 0.75X, 1X, 1.5X, 2X; ED Plan Apo 1X
Working distance	Please refer to the table on the left
Illumination systems	P-ICI Coaxial Episcopic Illuminator (15V-150W halogen) (Not usable with 0.5X or 2X objectives) Intermediate Magnification 1.5X G-LS 6V-10W Illuminator G-LS 6V-10W Illuminator (with G-EIA Articulated Supporting Arm or SMZ-U Articulated Arm) C-DLS 6V-20W Illuminator (with SMZ-U Articulated Arm) 6V-20W SMZ-U Epi-Illuminator C-FPS Fluorescent Ring Illuminator SMZ-U Plastic Fiber-Optic Ring Illuminator R2 (15V-150W halogen) SMZ-U Plastic Fiber-Optic Bifurcated Illuminator D2 (15V-150W halogen)
Stands	C-PS Plain Focusing Stand C-DS Diascopic Stand S SMZ-U Plain Stand D3 SMZ-U Diascopic Stand 3 SMZ-U Bright/Darkfield Stand 2 SMZ-U Large Stage Stand (for 6"x6" Stage, 12"x8" Stage) SMZ-U Large Base Stand for Teaching Head
Focusing mount	C-FMA Focusing Mount A, C-FMB Focusing Mount B, SMZ-10A Focusing Mount
Photomicrographic/CCTV system	Nikon Photomicrographic System FX-III Series or CCTV camera can be attached through Beam Splitter and Adapter (beam split ratio between Binocular and Phototube=100:0/50:50).

