

A large, detailed image of the Nikon SMZ800 stereo microscope, showing its eyepieces, objective lenses, and base. The microscope is white with black accents. The text 'SMZ800' is overlaid vertically on the left side in large, yellow, 3D-style font.

Nikon[®]

SMZ800

**A Versatile Stereo Microscope
at Home in Both Industrial
and Bioscience Settings.**

- High-eyepoint eyepieces with a built-in diopter adjuster
- Comfortable viewing even after long hours of observation
- Large, ergonomically designed base ensures easy, comfortable operation
- Low-position focus knob for quick, effortless focusing
- Optimum eye-level positioning to achieve maximum ergonomic comfort

Stereoscopic Zoom Microscope

Easy-to-use zoom range from 1X to 6.3X





SMZ800

Stereoscopic Zoom Microscope

New ergonomic design ensures natural posture for observation, plus smooth, easy operation

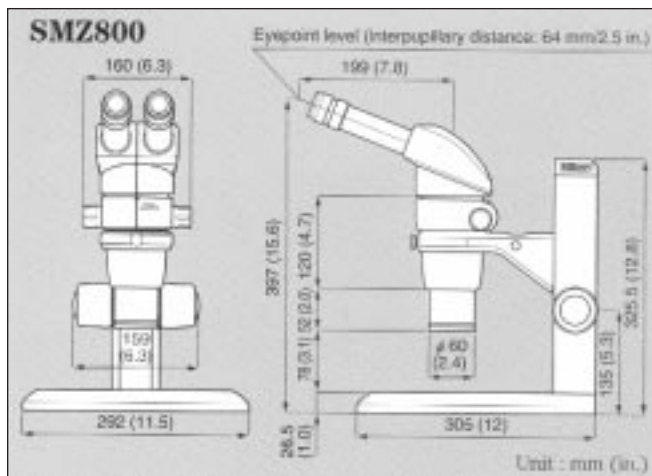
Easy-to-use 6.3X zooming from 1X to 6.3X with clickstops.

Versatile Modular System allows the use of intermediate modules: coaxial illuminator, teaching head, drawing tube, etc., and a beam splitter for photomicrographic applications.

High-eyepoint eyepieces with built-in diopter adjuster bring the image and the reticle into focus at the same time, making it easier to view images as well as reducing eyestrain.

Large, streamlined base. The Plain Focusing Stand features a low profile for easy handling of samples and allows operators to work while resting their arms in a natural position.

Low-position focus knob. The focus knob is positioned lower for quick, effortless focusing thus eliminating the need to twist your shoulders while working on samples.



Specifications

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|---|---|
| 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.) |
| Eyepiece (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 |
| 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 6V-20W illumination system (with 6V-20W lamphouse) 150W fiber optic light source with single or double flexible light pipes or ringlight. 30W fiber optic light source with single light pipe Fiber optic cable and adapter, 150W illumination for C-DS Diascopic stands C-Fluorescent ringlight |
| Stands | C-PS Plain Focusing Stand C-DS Diascopic Stand S SMZ-U Large Stage Stand (for 6"x 6" Stage, 12" x 8" Stage) (special order) Universal table stand US 3 C-US1 universal table clamp stand C-US2 universal table stand 2 |
| Focusing mount | C-FMA Focusing Mount A, C-FMB Focusing Mount B, SMZ-10A Focusing Mount |
| Photomicrographic/CCTV system | Compatible with Nikon Photomicrographic System FX-III, CCTV Cameras and digital still camera which can be attached through a beam splitter and adapter (beam split ratio between binocular and photo tube = 100:0/50:50) |

Nikon

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Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. January 2000.