



Expanding the magnification range to 8x (1x -8x), Nikon's newest stereomicroscope boasts its ease of use and high-definition observation demanded in fields such as IVF market. Additionally, newly developed "Plan Apo WF" and "ED plan WF" objectives deliver clearer, crisper images.

**Wide Zoom Range:** 1x - 8x

**Improved Resolution:** Higher magnification than conventional models enables high resolution observation

**High Quality Images:** Amazingly clear and bright images with reduced chromatic aberrations

**Improved Ergonomics:** Several eyepiece tubes to fit various configurations, from a simple setup to a system with some intermediate modules or digital cameras

**Versatile Double Nosepiece:** Allows for seamless observation in a wide range of magnifications

**Expandable with a Wide Range of Accessories:** An assortment of accessories such as illumination units, stands and eyepiece tubes are available to support numerous applications in research and inspection



To meet and exceed the needs to observe minute structures while covering a wide field of view in the biological fields where biological body screening, injection and observation are conducted every day, the SMZ1270 from Nikon was developed to feature expanded zoom ratio, high operability, and excellent optical performance.

Features:

**Best-In-Class Zoom Ratio:** Zoom Ratio of 12.7x covers an even greater magnification range than previous models.

**High Quality Images:** Amazingly clear and bright images with reduced chromatic aberrations with the newly developed "Plan Apo WF" and "ED plan WF" objectives

**Uniform Bright Widefield:** New objectives optimised for widefield observation at low magnification, including a new 0.75x objective

**Versatile Double Nosepiece:** A double nosepiece allows for seamless observation in a wide range of

magnifications

**Improved Ergonomics:** Ergonomic eyepiece tube and slimline plain and diascopic LED stands

**Expandable with a Wide Range of Accessories:** An assortment of accessories is available such as illumination units, stands and eyepiece tubes



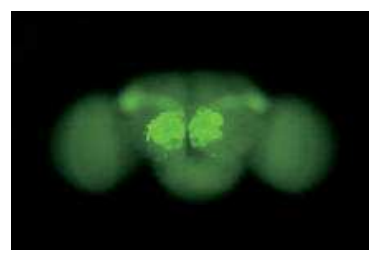
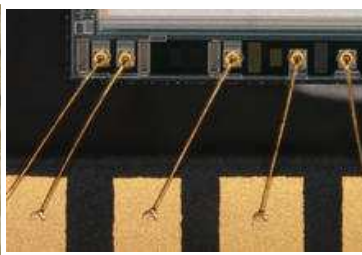
OCC Illumination

Diascopic brightfield illumination

LED Diascopic Illumination Base and P-DSF32 stand, image contrast under OCC illumination can be easily adjusted

OCC illumination boosts the contrast of transparent sample structures

Hemicentrotus pulcherrimus in two-cell stage



Fibres

Semiconductor

Brain of adult drosophila excited with GFP

Image courtesy of Hokto Kazama, Ph.D., Circuit Mechanisms of sensory Perception, brain Science Institute, RIKEN



**SMZ1270i**  
Zoom Stereomicroscope

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To meet and exceed the needs to observe minute structures while covering a wide field of view in the biological fields where biological body screening, injection and observation are conducted every

day, the SMZ1270i was developed by Nikon to feature expanded zoom ratio, high operability, intelligent image acquisition features and excellent optical performance.

In combination with the Camera Control Unit DS-L3 and imaging software NIS-Elements, the SMZ1270i can detect zoom magnification data. In addition, with the Intelligent Nosepiece P-RN12 attached, data related to the objective in use is also detected. Calibration data is automatically altered, following changes of magnification, to display the appropriate scale and measurement results on the images.

Features:

**Advanced Digital Imaging Capabilities:** In combination with the DS-L3 Camera Control Unit, NIS-Elements imaging software, and P-RN2 Intelligent Nosepiece, image acquisition is now more efficient with the objective magnification and zoom ratio information displayed on the monitor.

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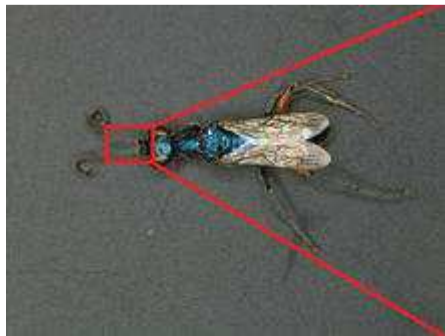
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0.63x zoom



8x zoom