

Parallel-optics type

Stereo Microscope

SMZ1270/1270i SMZ800N



Incredible sharpness throughout a wide magnification range

These versatile stereo microscopes provide both excellent optical performance, such as high-magnification, high-zoom ratio and high-resolution images, and advanced operability. The expandability of parallel optics makes these models suitable for a wide range of applications.

Highest-in-class zoom ratio

- Highest-in-class zoom ratio of 12.7:1 (0.63 – 8x) with SMZ1270/1270i
- New WF series objectives optimized for wide viewfield observation at low magnification

High-quality images

- High-level chromatic aberration correction provides sharp images throughout the viewfield.

Easy to get results

- Automatically detects magnification data in combination with the digital camera control unit (SMZ1270i only)
- Nosepiece offers both widened magnification range and on-axis imaging
- Eyepiece tubes with various inclination angles and slim-type stands minimize user fatigue during observation

Expandable with a wide range of accessories

- A wide range of accessories are available, including eyepiece tubes and stands that are equal to superior specification stereo microscope models



SMZ1270

Versatile stereo microscope with the highest-in-class zoom ratio



SMZ1270i

The same as the SMZ1270 but equipped with intelligent functions found in superior models (SMZ1270i with a trinocular tilting tube and nosepiece)



SMZ800N

Affordable model with improved operability and basic performance

Highest-in-class zoom ratio

Wide zoom range

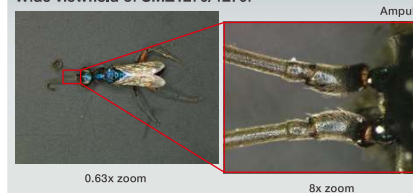
The SMZ1270/1270i offers the highest-in-class zoom ratio of 12.7x (0.63 – 8x). It offers both low-magnification wide viewfield observation of the whole of a 35 mm petri dish* during screening and high-magnification observation of minute cell structures

* with 1x objective at the lowest magnification.



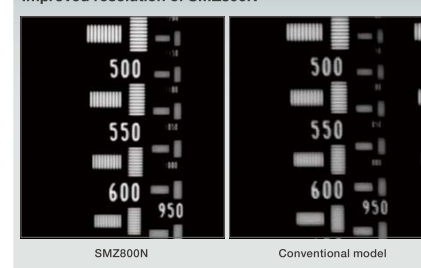
SMZ1270/1270i enables observation of the whole of a 35 mm petri dish.

Wide viewfield of SMZ1270/1270i



The SMZ800N comes with a 1 – 8x zoom range, with higher magnification than conventional models and enables high-resolution observation of 640LP/mm (using ED Plan Apo 2x/UF at maximum zoom).

Improved resolution of SMZ800N



Wide field objectives

The WF series objectives offer uniformly bright images even at low magnification and wide viewfield observation with SMZ1270/1270i. In addition, a 0.75x objective is now available, expanding the lineup of low magnification objectives.



High-quality images

Apochromat optics have been adopted for the lenses in the SMZ1270/1270i zoom body and semi-apochromat optics in the SMZ800N to achieve high-level chromatic aberration correction. They provide sharp images without blur or color fringe.



Apochromat optics (captured with SMZ1270+Plan Apo 1x/UF)

Conventional optics

