



The SMZ445 and SMZ460 deliver the outstanding optical performance you expect from Nikon's cutting-edge series of stereoscopic zoom microscopes. Porro prisms enable a lightweight, compact design. Choose between two models: the SMZ445 with 0.8x ~ 3.5x zoom magnification or the SMZ460 with 0.7x - 3.0x zoom magnification, inclination angles of 45deg and 60deg respectively. With the new diascopic/episcopic LED stand, these microscopes let you observe a wide range of specimens, from Petri dishes to plants, insects, small animals and minerals.

Outstanding Optical Performance: High quality images with superior flatness

Long Working Distances: Working distance of 100mm allows safe focusing even with specimens having markedly uneven surfaces

Eyepiece Lenses: Dedicated eyepiece lenses with diopter adjustments for parfocality

Auxiliary Objectives: Simply attaching an auxiliary objective lens achieves a wider field of view and longer working distance

Mould-Resistance Finish: The inside of the zooming body is treated with a mould-resistant finish

LED Stand with All-in-One Design: The newly developed LED stand features built-in diascopic and episcopic illumination

Multiple Stand Options: In addition to the LED Stand with built-in diascopic and episcopic illumination, Nikon offers other choices like the Plain Stand, which comes in two base stand sizes, and the Diascopic Stand S, with built-in 6V, 20W halogen lamp

Illumination Systems: Several illumination systems are offered for greater flexibility



Featuring a zoom magnification of 7.5x zoom and a long working distance of 115mm, Nikon SMZ745 microscopes are well suited for both industrial and biomedical applications. The adoption of a new total reflection prism produces brighter images with higher contrast, and the anti-mould design allows the microscope to be used in environments where the temperature and humidity are high. The SMZ-745T trinocular model comes equipped with a

camera port and a built-in 0.55x C-mount adapter permitting direct mounting of Nikon [DS Series](#) Digital Cameras.

Trinocular Optical Head Ideal for Monitoring and Digital Imaging: The zoom body is equipped with a camera port (trinocular type) and a built-in 0.55x C-mount adapter

Impressive 7.5x Zoom Magnification: By optimising the design of the Greenough optical system, Nikon were able to realise a 7.5x zoom and a total magnification from 3.35x to 300x

115mm Working Distance: The SMZ745 offers an impressive 115mm working distance, providing enough room for fabrication and manipulation on the sample

Maximum Ergonomics: The zooming knob is equipped with a click stop for each magnification, and the optical switching lever makes digital imaging easier than ever

Rugged, Durable Design Suits a Variety of Applications and Environments: ESD protection to prevent samples from being damaged by electrostatic discharge

Options