

Zoom-stereo microscopes SZ-III and SZ-Tr are high-performance microscopes having a zoom ratio of 5.7 to 1. Since, as is well known, for a zoom-stereo microscope to continuously change the magnification while observing an object once brought into focus, you may choose the magnification at will to suit the specimen. Both these two SZ's have a 1X objective and a pair of G10X eyepieces as standard equipment, giving a continuously variable magnification range of 7X to 40X. A wider magnification range of 3.5X to 160X can be obtained by using optional eyepieces and auxiliary objectives. In this case, the working distance can be varied from 29mm to 159mm.

The 45° inclined binocular observation tube is rotatable through 360°, and equipped with diopter adjustment. Inter-pupillary distance can be adjusted over a wide range of 53mm to 79mm. The SZ-Tr has an additional phototube for photomicrography. Olympus furnishes two photomicrographic equipments, the system camera PM-10 and the 35mm camera PM-6. The former comes in two versions, the fully-automatic version PM-10AD and the manual version PM-10M. For color photomicrography using the manual camera PM-10M or PM-6, it is recommended to use the exposure meter EMM-7 for accurate measurement of color temperature and exposure time.

Stereo microscopes are widely used in electronics and precision machine industries for assembling and inspection of products, and also in schools and hospitals for educational purposes. Because of their ease of operation, they are also popular among amateur collectors of minerals and archaeological specimens.

