



EMZ-13VX

Binocular Greenough Design,
Stereo Zoom Body (90mm W.D)
with Dual Light Port



EMZ-13VX (1.0X–7.0X) Trino Zoom Stereo Body with Dual Light Port,
Working Distance 90mm

KEY FEATURES

- Zoom Ratio: 7:1
- Zoom Range: 1X–7X
- Magnification: 10X–70X (10X eyepieces)
- Field of View: 23mm–3.2mm
- Working distance: 90mm
- Extended Mag Range: 3X–420X (With auxiliary lenses and eyepieces)
- Dual Light Port Capability
- Mounting: Fits 84.5mm Diameter Focus Holders
- Warranty: LIMITED LIFETIME WARRANTY
- Manufacturer: MADE IN JAPAN

SPECIFICATIONS

The EMZ-13VX has a dual integrated fiber optic light port that accepts a FL150/30 bifurcated light guide which illuminates through the objective lenses. This type of illumination requires a MA978 (a 1/4 wave plate in a rotatable mount) for easier observation, which are difficult to see under oblique incident-light illumination. It brings out interference colors of thin films on IC wafers for high-contrast observation of circuit pattern structures. The EMZ-13VX is ideal for observing scratches on metal surfaces, IC chips, liquid crystal patterns. It offers an extended zoom ratio of 7:1, the highest in its series. Its modular design enables the user to select magnification from 3X–420X. Because it has a large zoom range, the user can expect superb optical performance and maneuverability. The paired objectives are parfocussed and parcentered that guarantee observation of high resolution images throughout a wide magnification range. The EMZ-13VX series offer working distances from 34mm–252mm. It employs Greenough optics for improved image flatness and contrast.

NOTE: Additional items are needed to create a full microscope system. The following components are normally ordered:

- Stereo Microscope Body (Zoom, Turret or Fixed)
- Eyepieces (Requires 2 of identical magnification)
- Stand (Pole stands, rigid arm stands, boom stands, heavy duty boom stands, wide surface stands or articulated arm stands)
- Illumination Source (Fiber optic halogen, fiber optic LED, fluorescent ring or LED illumination)
- Auxiliary Lens (Optional)

Included with Microscope:

- **MA600:** Rubber Eyeshields for SWF eyepieces (paired) (Fits 30.5mm O.D eyepieces)
- **MA703:** Vinyl dust cover for EM series

Optional Eyepieces Available:

- **MA501:** Super Widefield Eyepiece 5X, Field No. 26.0 (paired) (no reticle mount)
- **MA502:** Super Widefield Eyepiece 10X, Field No. 23.0 (paired) (25mm reticle mount)
- **MA520:** Super Widefield Eyepiece 12.5X, Field No. 20.0 (paired) (25mm reticle mount)
- **MA503:** Super Widefield Eyepiece 15X, Field No. 15.4 (paired) (25mm reticle mount)
- **MA504:** Super Widefield Eyepiece 20X, Field No. 11.5 (paired) (25mm reticle mount)

Optional Auxiliary Lens:

- **MA517:** Auxiliary Lens 0.5X, 150mm (5.9") W.D
- **MA526:** Auxiliary Lens 0.75X, 97mm (3.8") W.D
- **MA507:** Auxiliary Lens 1.5X, 49mm (1.9") W.D

PACKAGING INFORMATION

- Ships in 14" x 8" x 9" box
- Weighs 7 lbs