

RESEARCH TRINOCULAR MICROSCOPE BM-8TR



TRINOCULAR RESEARCH MICROSCOPE

Body: Aluminium die-cast body, critical movements on ball bearings and wire guides for smooth, precise manipulation.

Optical System: Infinity corrected plan optics, uniformly centered, interchangeable & parfocal; Tropicalized anti-fungus treatment for durability in humid conditions.

Observation Head: - Binocular head: 30° inclined Seidentopf, 360° rotatable, diopter adjustment on left, interpupillary distance 48-75 mm.

- Trinocular head: Same as above with trinocular feature.

Objectives: Plan Infinite Achromat objectives:

- 4x: N.A 0.10, W.D 18.5 mm

- 10x: N.A 0.25, W.D 10.6 mm

- 40x (spring loaded): N.A 0.65, W.D 0.6 mm

- 100x (oil, spring loaded): N.A 1.25, W.D 0.13 mm

Eyepieces: WH 10x (FN 20 mm) paired eyepiece with eyeguards; designed to reduce eye fatigue; wide-field images; optional eyepiece micrometer compatibility.

Nosepiece: Quadruple revolving outward nosepiece, precision ball-bearing mechanism, positive click stop.

Mechanical Stage: Co-axial low-drive mechanical rackless stage, 120 x 132 mm with 76 x 30 mm traverse; single slide holder.

Focusing System: Co-axial coarse and fine controls; coarse focus range 20 mm; fine focus rotation 0.25 mm.

Condenser Holder: Rack and pinion-mounted condenser holder.

Condenser: Pre-centered Abbe condenser with aperture iris diaphragm (N.A 1.25); focusable with rack & pinion, removable blue filter for daylight observation.

Magnification Range: 40x – 1000x for observation.

Diopter Correction: Adjustment available on the left eyepiece tube.

Power Supply: a) Built-in illumination base with pre-centered 6V 20W halogen light source and efficient collector lens.

b) High-brightness 3W LED light source (30,000 hrs life).

c) LED light source with built-in NiMH rechargeable battery backup (30,000 hrs life).