

# RAYSCOPE



***RYS-7 elite***

**Biological Pathological Research Microscope**

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## SPECIFICATIONS OF RYS-7 *elite*

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**Optical System:** High Contrast Infinity corrected Optical System

**Observation Head:** Binocular / Trinocular head inclined at 30° with interpupillary distance of 50-75mm

**Nose-piece:** Inward, Quintuple revolving nose-piece ball bearing type with proper click stops

**Eyepieces:** Wide Field 10x eye-piece with 22mm F.O.V

**Mechanical Stage:** Rackless & Scratchless Double plate stage size 216mm X140mm. X/Y travel range 90mm X 65mm. Division: 0.1mm Low drive right side movement controls. Coated surface for scratch resistance. Double specimen holder clip.

**Objectives:** High Contrast Infinity corrected RYS series Plan Achromatic objectives 4x (N.A. 0.10, W.D. 25mm), 10x (N.A. 0.25, W.D. 6.7mm), 40x (SL, N.A. 0.65, and W.D. 0.6 mm) and 100x (SL, Oil, N.A. 1.25, W.D. 0.17mm) antifungal, antireflection coated

**Condenser:** Abbe condenser NA 1.25 with aspheric lens. Iris diaphragm with Frosted white filter, antifungal & antireflection coated. Rack and pinion movements on stainless steel guides.

**Focusing Control:** Co-axial coarse and fine focusing on gear systems for smooth operation. Fine adjustment 0.2mm/rotation maximum 2 micron scale increment.

**Illumination:** Koehler Q-LED 3.5W 3V illumination with variable control. Up to 100,000 hours of LED life.

**Electronics:** Universal input 110V – 240V AC, 50/60 Hz.

**Certifications:** CE, ISO: 9001 & ISO: 13485

**Optional Attachment:** Trinocular Head, RYS series DIN Infinity Plan objectives 20x, 60x SL, WF 15x, WF 20x, Pointers & Micrometer Reticules, Phase contrast, Polarizing, Fluorescence and Dark Field attachments, Digital USB Cameras (1.3MP, 3MP, 5MP, 14MP) with in-built adaptors, Digital Cameras and DSLR Cameras with adaptors, Illumination System Halogen 6V 20W

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