



AE31**E** Trinocular

The AE31 Elite is a upgraded inverted microscope with an extended focus on practical aspects. The Auto-OFF via IR sensor has been implemented, as well as the new Light Memory function that will recall the last light intensity setup when changing to the respective objective. The AE31 Elite works with the newest generation of LWD Plan Achromatic lenses. Upgrade options like Fluorescence are still strong features within this Inverted microscope series.

Model AE31Elite Trinocular

Optical System Colour Corrected Infinity Optical System (CCIS®)

Observation tube Trinocular head, Siedentopf type

Interpupillary distance 48-75mm

Trinocular light split 100:0/20:80 (Optional 100:0/0:100)

Inclination 45° inclined

Eyepieces WF10X/22mm with diopter adjustment, +/- 5 diopter

Nosepiece Left side facing quintuple revolving nosepiece

Objective classification Infinity Corrected CCIS Plan Achromat, DIN

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 $\textbf{Objectives} \qquad \quad \text{4X/0.10 (WD 23.5mm), PH10X/0.25 (WD 7.5mm), LWD PH20X/0.40 (WD 7.0mm),} \\$

LWD PH40X/0.50 (WD 3.0mm)

Objective mounting thread W 4/5" x 1/36" (RMS standard)

Stage Hard coated stage with metal and glass stage inserts

Stage size 200x239mm

Condenser ELWD condenser N.A. 0.30 (WD 72mm) with diaphragm

Free Working Distance Working distance without condenser 231mm

Focus mechanism Coaxial coarse and fine focusing system with tension adjustment

Fine Focus precision 2 µm minimum increment

Z-axis movement 10mm

Illumination External lamphouse, 6V/30W Quartz Halogen or 3W LED Koehler illumination

with intensity control

Light features Auto-OFF and Light Memory function

Transformer Internal

Power supply 100-240V (CE)

Accessories included Blue, green interference and ground glass filters, phase ring Ph1,

centering telescope, centering keys, spare fuse and dust cover

Dimensions 556x200x529

Weight 11,7Kg



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