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AE31E 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
Objectives	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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