



# AE31E Binocular

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.

<b>Model</b>	AE31Elite Binocular
<b>Optical System</b>	Colour Corrected Infinity Optical System (CCIS®)
<b>Observation tube</b>	Binocular head, Siedentopf type
<b>Interpupillary distance</b>	48-75mm
<b>Inclination</b>	45° inclined
<b>Eyepieces</b>	WF10X/22mm with diopter adjustment, +/- 5 diopter
<b>Nosepiece</b>	Left side facing quintuple revolving nosepiece
<b>Objective classification</b>	Infinity Corrected CCIS Plan Achromat, DIN
<b>Objectives</b>	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)
<b>Objective mounting thread</b>	W 4/5" x 1/36" (RMS standard)
<b>Stage</b>	Hard coated stage with metal and glass stage inserts
<b>Stage size</b>	200x239mm
<b>Condenser</b>	ELWD condenser N.A. 0.30 (WD 72mm) with diaphragm
<b>Free Working Distance</b>	Working distance without condenser 231mm
<b>Focus mechanism</b>	Coaxial coarse and fine focusing system with tension adjustment
<b>Fine Focus precision</b>	2 µm minimum increment
<b>Z-axis movement</b>	10mm
<b>Illumination</b>	External lamphouse, 6V/30W Quartz Halogen or 3W LED Koehler illumination with intensity control
<b>Light features</b>	Auto-OFF and Light Memory function
<b>Transformer</b>	Internal
<b>Power supply</b>	100-240V (CE)
<b>Accessories included</b>	Blue, green interference and ground glass filters, phase ring Ph1, centering telescope, centering keys, spare fuse and dust cover
<b>Dimensions</b>	556x200x529mm
<b>Weight</b>	11,7Kg