

AE31E Series

# AE31E TRINOCULAR LED-FLUORESCENCE





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<b>Optical system</b>	Colour Corrected Infinity Optical System (CCIS®)
<b>Observation tube</b>	Trinocular head, Siedentopf type, 360° swiveling
<b>Inclination</b>	45° inclined
<b>Trinocular light split</b>	100:0/20:80 (optional 100:0/0:100)
<b>Interpupillary distance</b>	48-75mm
<b>Diopter adjustment</b>	On both eyepieces, +/- 5 diopter
<b>Eyepieces</b>	Widefield WF10X/22mm with diopter adjustment
<b>Intermediate body</b>	Epi-Fluorescence attachment with 3 position fluorescence filter cassette
<b>Nosepiece</b>	Left side facing quintuple
<b>Objective classification</b>	CCIS® Plan Achromatic, DIN
<b>Objectives</b>	4X/0.10 (WD 12.6mm), PH10X/0.25 (WD 4.1mm), LWD PH20X/0.30 (WD 4.7mm), LWD PH40X/0.50 (WD 3.0mm)
<b>Objective mounting thread</b>	W 4/5"x1/36" (RMS standard)
<b>Stand type</b>	Inverted
<b>Stage</b>	Plain stage with metal and glass stage inserts
<b>Stage size</b>	200x239mm
<b>Condenser</b>	Focusable and centerable ELWD condenser N.A. 0.30 (WD 72mm)
<b>Diaphragm</b>	Iris diaphragm
<b>Focus mechanism</b>	Coaxial coarse and fine focusing system with tension adjustment
<b>Fine focus precision</b>	2µm
<b>Focusing stroke</b>	10mm
<b>Free working distance</b>	Working distance without condenser 231mm
<b>Incident illumination</b>	LUMOS High-power LED FL light source
<b>Transmitted illumination</b>	Köhler Quartz halogen 6V/30W with intensity control
<b>Illumination interchangeability</b>	Quartz halogen 6V/30W or LED 3W
<b>Illumination features</b>	Auto-OFF and Light Memory function
<b>Transformer</b>	Internal
<b>Power supply</b>	100-240V (CE)
<b>Other features</b>	(*) Fluorescence filter sets not included
<b>Accessories included</b>	Dust cover, power cord, Allen key, blue, green interference and ground glass filters, phase ring Ph1, centering telescope, centering keys, spare fuse
<b>Dimensions LxWxH</b>	556x200x529mm
<b>Net weight</b>	15.7kg
<b>Notes</b>	Transport and storage case