Motic®

MORE THAN MICROSCOPY

EVOLUTION

BA210**E**

BA210**E**

Motic is committed to the concept of continuously improving its models, especially after carefully looking at the increasing demands of its customers and their applications. The successfully established BA210 model was no exception, and it is for this reason Motic has launched the new **Elite model BA210E**. Once again Motic has challenged itself to stride ahead of the competition.

The BA210Elite model introduces **superior improvements** both **in optical** and **mechanical performance**. The model now incorporates a **lead-free manufacturing process** in accordance with current **RoHS** standards, and follows the optical features and performance derived from the flagship model BA410. The ELITE model's addition of a new **rackless stage** concept without prominent gear rack allows even a more convenient use of the x/y movement. For full freedom of Illumination options, the new model has a complete and **easy interchangeability of its 6V/30W Halogen bulb with LED modules.**

New EC Optics

Motic's new generation of **EC Plan Achromat objectives** sets a new price-performance standard in optical quality. With **excellent spherical aberration correction** to **significantly improve field flatness and resolution**, the EC optics offer **superior colour fidelity** through new multi-layer coated lenses. A lead-free manufacturing process according to **RoHS standard** sets new features for these CCIS® objectives, derived from the flagship model BA410. Significantly **increased working distances** of the objectives reduce contamination risk when changing from oil lenses to dry lenses. To protect the system from fungus growth in high-humidity environments, an anti-fungus treatment is applied to prolong the life of both microscope and objectives.

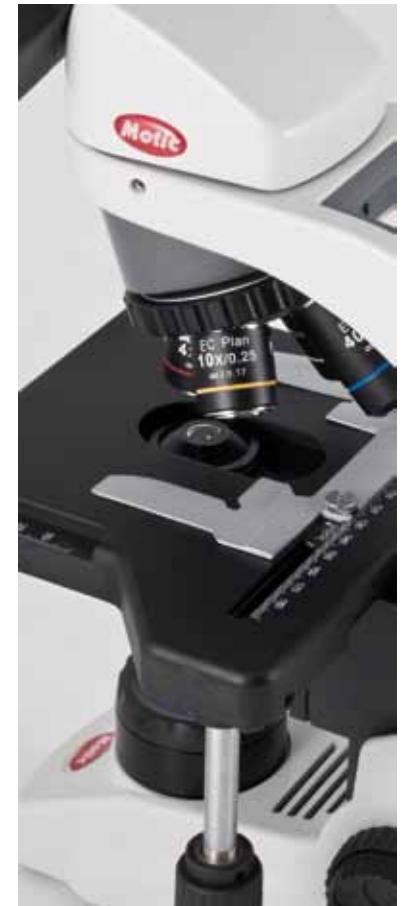| Description	N.A.	W.D.(mm)
EC Plan 4X	0.10	15.90
EC Plan 10X	0.25	17.40
EC Plan 20X	0.45	0.90
EC Plan 40X	0.65	0.50
EC Plan 60X	0.80	0.35
EC Plan 100X - Oil	1.25	0.15

Rackless stage

The **new rackless stage** enables a convenient movement of the x/y stage **without prominent gear rack** interference; while a **new specimen holder** design gives a soft but solid grip to the glass slides. These new mechanical improvements greatly enhance user safety in educational environments of schools and Universities.

Halogen/LED interchangeability

The importance of LEDs as safe and long-term illumination devices has increasingly become the norm in educational and clinical microscopy environments. Nevertheless, experienced users may still prefer the "warm" Halogen illumination with a large portion of long wavelengths. To cover this situation, Motic has implemented a **full interchangeability between its Halogen and LED light sources**. Coming with a standard 6V/30W Halogen bulb, the BA210Elite lamp socket also accepts a new LED module, which can be inserted instead of the Halogen bulb. **The choice of (2) different color temperatures (4500K, 6000K)** enhances illumination options in a user-friendly way.

Halogen bulb

LED module

BA210E General Specifications

Model	BA210E
Optical System	Color Corrected Infinity Optical System [CCIS®]
Observation Tube	Widefield binocular 30° [F.N.20]
	Widefield trinocular 30° [F.N.20] - light distribution 100:0/20:80
Interpupillary distance	55-75mm (48-75mm optional)
Nosepiece	Reversed quadruple
Objectives	CCIS® EC Plan 4X, 10X, 20X (optional), 40X, 60X (optional) and 100X-Oil
Rackless Stage	150 x 150 mm surface, 80 x 30mm movement, coaxial controls
Condenser	N.A. 1.25 Abbe condenser with slider slot
Focusing Block	Brass gears. Z-Axis movement with 25mm stroke; Fine focus with 2µm
	minimum increments, coarse focus with torque adjustment.
Illumination	Built-in transmitted 6V/30W Halogen Fixed Koehler illumination or
	3W LED Fixed Koehler illumination (6000K & 4500K)