ALLTION
MAGNIFY YOUR EXPERTISE

Smart & Precise

Lead the New Era of Precise Dental Diagnosis and Treatment

ANGEL 60

Surgical Microscope



- Electric Continuous Zoom
- Electric Focusing
- One-Click Depth of Field Enhancement
- Electromagnetic Braking

ANGEL 60

Multi-functional Handle

The multi-functional handle enables precise one-handed control and operate , delivering a weightless experience of spacewalk .

The handle enables precise focusing and zooming adjustments, allowing surgeons to obtain enhanced microscopic visualization for improved surgical accuracy.

It also supports real-time photo and video capture, providing detailed visual documentation for surgical records, case sharing, and preoperative planning. This facilitates more effective clinical communication, education, and diagnostic review.

Additionally, the handle features a joint release function, offering greater flexibility in repositioning the surgical field and optimizing instrument control, thereby promoting smoother and more efficient surgical procedures.



	Angel 60
Magnification System	Motorized zoom system; with apochromatic 1:6.25 ratio, total magnification 1.7X-19X
Eyepiece	Standard: 12.5X/18B,±7D; Optional: 10X/21B,-8D~+6D 0-210° Inclined binocular head with knob of pupillary distance adjustment Optional: Binocular extender(0°), length: 25mm / 35mm / 50mm Binocular extender(45°) Binocular extender(30° or 90°) with angle rotation device Binocular extender(30°) with beam splitter(8:2 or 5:5) with angle rotation device
Objective Lens	1) Motorized 198mm-455mm variable objective lens 2) Optional accessory: auxiliary objective lens(extends working distance to 200-610mm)
Illumination System	1) White light, fluorescence(optional) 2) Illumination gears: orange / green filter, maximum / medium / minimum light spot, anti-glare or integrated depth of field strengthen device(optional, select one). 3) Light source: LED, life > 60,000 hours 4) Illuminance: Max. illuminance ≥ 100,000lx
Built-in Camera	Built-in 4K 60FPS camera system; 3D camera system(optional); AR system(optional)
Stand	1) 120° / 135° balance arm 2) Electromagnetic braking 3) Standard: mobile floor stand 4) Optional types: fixed floor stand, low wall-mounted stand, high wall-mounted stand, ceiling-mounted stand
Multifunctional Handle	Controls: photography, video recording, freeze, dimming, motorized zoom, motorized focus, one-touch unlock electromagnetic braking; anti-glare / integrated depth of field strengthen device; one-touch auto-focus(optional)
Wireless Foot Pedal	Optional configurations: 1) FS-3 foot switch(controls photography / video recording) 2) FS-4 foot switch(controls photography / video recording, focus, zoom, dimming)
Stereo Co-Observation Tube	Optional accessory: 3-joints assistant scope

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