

DENTAL & SURGICAL MICROSCOPE

ANGEL 60

Dental & Surgical Microscope

Smart and precise.

A motorised dental surgical microscope with continuous apochromatic 1:6.25 zoom, electric focusing, a 0–210° inclinable binocular head, electromagnetic braking and a built-in 4K 60 FPS camera. Multifunction handgrips bring optical adjustment, imaging and arm release together.

1:6.25

Motorised zoom

198–455 mm

Motorised objective

4K / 60 FPS

Built-in camera



Highlights

Electric zoom and focus

Motorised continuous zoom and a motorised variable objective, controlled from the handgrips.

Multifunction handle

Focus, zoom, dimming, photo and video, freeze and joint release are all within one-handed reach, for a weightless feel when repositioning.

Depth of field enhancement

An integrated depth-of-field enhancement or an anti-glare option, selected as alternatives, to suit your clinical work.

Built-in 4K camera

4K 60 FPS capture for records, case sharing and planning, with optional 3D camera or AR system.



Key features

- Motorised apochromatic continuous 1:6.25 zoom with 1.7X–19X total magnification.
- Motorised 198–455 mm variable objective; optional auxiliary objective extends working distance to 200–610 mm.

- 0–210° inclinable binocular head with interpupillary-distance adjustment.
 - Multifunction handgrips for photo/video, freeze, dimming, zoom, focus and one-touch electromagnetic-brake release.
 - Built-in 4K 60 FPS camera with optional 3D camera or AR system.
 - White-light LED illumination, orange/green filters and three light-spot sizes; fluorescence on Angel 60F and 60PF.
 - Optional anti-glare or integrated depth-of-field enhancement, selected as alternatives.
- Electromagnetic braking with a 120° / 135° balance arm; 2-joint lock released from the handgrips.
 - Mobile floor stand standard; fixed-floor, low/high wall and ceiling mounting optional.
 - Optional FS-3 or FS-4 wireless foot pedal, one-touch autofocus and three-joint assistant scope.
 - Touch screen; options include voice control and a 4K camera with auto-focus.

Specifications

OPTICS & OBSERVATION

Models	Angel 60 (white light, three spot sizes) · Angel 60F (white light plus fluorescence) · Angel 60PF (white light plus fluorescence, FORA pendulum, continuously adjustable spot)
Zoom	Motorised apochromatic 1:6.25 continuous zoom
Total magnification	1.7X–19X
Eyepieces	Standard 12.5X/18B, ±7D; optional 10X/21B, –8D to +6D
Binocular head	0–210° inclination with pupillary distance adjustment knob
Optional binocular extenders	0° extender in 25/35/50 mm lengths; 45° extender; 30° or 90° extender with angle rotation; 30° extender with 8:2 or 5:5 beam splitter and angle rotation
Objective	Motorised 198–455 mm variable objective
Optional auxiliary objective	200–610 mm working distance
Depth of field / anti-glare	Integrated depth-of-field enhancement or anti-glare; select one
Optional imaging	3D camera system or AR system
Touch screen	Yes
Other options	Voice control; three-joint assistant scope

LIGHT & ILLUMINATION

Illumination	White-light LED; fluorescence on Angel 60F / 60PF (optional on Angel 60)
Filters and light spots	Orange/green filters; maximum, medium and minimum light-spot sizes (continuously adjustable on Angel 60PF)
LED life	>60,000 hours
Illuminance	Maximum ≥100,000 lux

IMAGING & DOCUMENTATION

Built-in camera	4K 60 FPS; 4K camera with auto-focus optional
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POSITIONING & INSTALLATION

Arm / braking	120° / 135° balance arm; 2-joint electromagnetic lock released from the multifunction handgrips
Stand / mounting	Mobile floor stand standard; fixed floor, low- or high-position wall and ceiling mounting optional
Handgrip controls	Photo, video, freeze, dimming, motorised zoom and focus, one-touch unlock and the fitted anti-glare / depth-of-field function; one-touch autofocus optional
Optional foot pedals	FS-3: photo/video. FS-4: photo/video, focus, zoom and dimming

Options

- Angel 60, Angel 60F (fluorescence) or Angel 60PF (fluorescence, FORA pendulum, continuously adjustable spot).
- Optical accessories: 10X/21B eyepieces or optional binocular extenders.
- Auxiliary objective extending working distance to 200–610 mm.
- Optional fluorescence; anti-glare or depth-of-field enhancement (select one).
- Optional 3D camera or AR imaging system.
- Fixed-floor, low/high wall or ceiling mounting (mobile floor stand standard).
- Optional FS-3/FS-4 wireless foot pedal or one-touch autofocus.
- Optional three-joint assistant scope.

Specifications can change and may vary by configuration. Confirm the supplied specifications before ordering.

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