

SURGICAL MICROSCOPE

ANGEL 200

Neurosurgery Surgical Microscope

Motorised optics for the surgical setting.

Motorised surgical microscope with continuous zoom, a 198–455 mm motorised-focus objective, 90,000 lux LED illumination, a 1508 mm arm, electromagnetic locking and built-in 4K imaging. Configure the viewing arrangement with optional assistant optics, extended working distance and 3D imaging.

1:6.25

Motorised zoom

90,000 lux

Maximum illumination

1508 mm

Arm length



Highlights

Motorised optics

Motorised continuous zoom and a motorised variable objective keep the view adjustable during surgery.

Control at the handgrips

Focus, zoom, brightness and image capture sit on the handgrips, together with the unlock control.

Bright, true colour

Two LED lights with high colour rendering and three light-spot sizes.

Wide working range

A long arm and four- or six-joint electromagnetic locks for flexible, stable positioning.

Key features

- Motorised 1:6.25 continuous zoom.
- 198–455 mm motorised variable objective.
- Four- or six-joint electromagnetic-lock configurations.
- Handgrip focus, zoom, brightness and capture controls.
- Built-in 4K camera; optional 3D solution.
- Wireless foot control and a front information display.
- Two LED lights: 90,000 lux, CRI ≥90% and 5500K, with three light-spot sizes.
- 1508 mm arm length for a wide working range.

Specifications

OPTICS & OBSERVATION

Zoom	Motorised 1:6.25; magnification factor 0.4–2.5X
Total magnification	1.7X–19X with 12.5X eyepiece and 198–455 mm objective
Eyepiece	12.5X/18B standard; optional 10X/21B, –8D to +6D
Binocular	0–180° inclined with pupillary distance adjustment; f=170 mm
Objective	198–455 mm, motorised focus
Optional working distance	208–610 mm with optional objective lens
Depth of field	Built-in depth-of-field enhancement device
Optional magnifier	Additional 1.6× magnification

LIGHT & ILLUMINATION

Illumination	Two LED lights; 90,000 lux; CRI ≥90%; 5500K; orange and green filters; large / medium / small spots; spare light optional
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IMAGING & DOCUMENTATION

Camera	Built-in 4K; optional 3D solution
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POSITIONING & INSTALLATION

Arm	1508 mm arm length; C-shaped balance arm
Stand / locks	Mobile floor stand; 4- or 6-joint electromagnetic locks
Handgrip controls	Motorised focus, zoom, brightness, photo/video and unlock; autofocus optional
Foot pedal	Wireless control supported
Display	Magnification, working distance, brightness and focus/zoom speed

Accessories

- Straight or fixed 45° binocular tube
- Beam splitter and bridge beam
- Three-direction assistant tube
- Additional objective for working distances up to 610 mm
- Extra 1.6X magnifier
- FS-4 foot pedal
- Spare light
- 3D camera solution
- One-touch autofocus

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

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