

SURGICAL MICROSCOPE

AM-6000 Series

Surgical and ENT Microscopes

Continuous zoom. Shared perspective.

Operating microscopes with continuous 1:8 zoom, a 23 mm eyepiece field and a built-in beam splitter, in surgical and ENT configurations.

AM-6000 Series Surgical Microscope · AM-6000 Series ENT Microscope



Highlights

Continuous zoom

A manual 1:8 zoom system adjusts magnification smoothly instead of in discrete steps.

Built-in beam splitter

The beam splitter is part of the optics, ready for the optional full-function camera and shared viewing.

Easy positioning

Friction adjustment and 360° rotatable handgrips make positioning straightforward. The handgrips pull out for sterilisation.

Durable construction

A carrier-arm cover in environmentally friendly PC, with internal parts mostly in 6061 aluminium alloy.





SURGICAL MICROSCOPE

AM-6000 Series Surgical Microscope

Product code ALMAM6000DEN

AM-6000 continuous-zoom surgical and dental microscope with 23 mm eyepieces, a built-in beam splitter, an optional integrated full-function camera and broad stand geometry.

1:8

Zoom ratio

23 mm

Eyepiece field

3.4–27.7X

Total magnification

Key features

- 23 mm eyepiece field.
- Built-in beam splitter.
- Optional full-function camera.
- Continuous 1:8 zoom.
- 360° rotatable handgrips that pull out for sterilisation.
- Carrier-arm cover in environmentally friendly PC; internal parts mostly 6061 aluminium alloy.

Specifications

OPTICS & OBSERVATION

Models	AM-6000 (250 mm objective, no camera) · AM-6000C (250 mm objective, built-in camera) · AM-6000V (200–300 mm variable objective) · AM-6000VC (variable objective, built-in camera)
Eyepiece	10X; 23 mm field
Zoom	Manual 1:8 zoom ratio
Total magnification	3.4X–27.7X
Binocular	0–180° adjustable binocular; IPD 50–75 mm
Objective	250 mm (300 / 400 mm optional); variable objective, working distance 200–300 mm
Beam splitter	Built in
Adjustment	Friction adjustment knob

LIGHT & ILLUMINATION

Illumination	≥60,000 lux; CRI ≥85%; 5700K; LED life 60,000 hours or more
Light modes	Five: minimum / medium / maximum spot; orange and green filters

IMAGING & DOCUMENTATION

Camera (C / VC models)	Built-in full-function camera: 1/2 inch Sony CMOS; HD 1080P 60 FPS (16:9); built-in 32GB SD plus external USB flash disk; JPG / MP4; external Wi-Fi
Camera functions	Freeze, photo, video, automatic exposure, white balance, playback and cross curve; image effects; flip, zoom, AOI and image comparison
Software compatibility	Windows XP / 7 / 8 / 10; Android and iOS

POSITIONING & INSTALLATION

Power	100–240V, 50/60Hz; 35–60VA
Geometry	Maximum working distance 1700 mm; working height 750–1550 mm; stand base 640 × 640 mm; 950 mm suspension arm
Handgrips	360° rotatable; can be pulled out for sterilisation
Construction	Carrier-arm cover in environmentally friendly PC; internal parts mostly 6061 aluminium alloy
Mounting	Floor stand; fixed floor stand, ceiling and low- or high-position wall mounts optional

Options

- AM-6000, AM-6000C (built-in camera), AM-6000V (variable objective) or AM-6000VC.
- 300 mm or 400 mm objective (250 mm standard).
- Straight or 45° binocular head (0–180° standard).



ENT MICROSCOPE

AM-6000 Series ENT Microscope

Product code ALLAM6000ENT

ENT surgical microscope with a large 23 mm eyepiece field, a built-in beam splitter, an optional full-function camera, continuous 1:8 zoom and a long-reach suspension system.

1:8
Zoom ratio

950 mm
Suspension arm

360°
Handgrip rotation

Key features

- 23 mm eyepiece field for improved viewing comfort.
- Built-in beam splitter for an assistant scope or camera attachment.
- Optional full-function camera with capture, measurement, comparison and adjustable imaging parameters.
- Direct comparison of stored images and live video.
- Continuous 1:8 zoom.
- 360° rotatable, sterilisable handgrips.
- Friction adjustment knob for precise adjustment of arm movement.
- 950 mm suspension arm.
- LED illumination with five modes, rated 60,000 hours or more.

Specifications

OPTICS & OBSERVATION

Models	AM-6000 (250 mm objective, no camera) · AM-6000C (250 mm objective, built-in camera) · AM-6000V (200–300 mm variable objective) · AM-6000VC (variable objective, built-in camera)
Eyepiece	10X; 23 mm field
Zoom	Manual 1:8 zoom ratio
Total magnification	3.4X–27.7X
Binocular	0–180° adjustable binocular; IPD 50–75 mm
Objective	250 mm (300 / 400 mm optional); variable objective, working distance 200–300 mm
Beam splitter	Built in
Adjustment	Friction adjustment knob

LIGHT & ILLUMINATION

Illumination	≥60,000 lux; CRI ≥85%; 5700K; LED life 60,000 hours or more
Light modes	Five: minimum / medium / maximum spot; orange and green filters

IMAGING & DOCUMENTATION

Camera (C / VC models)	Built-in full-function camera: 1/2 inch Sony CMOS; HD 1080P 60 FPS (16:9); built-in 32GB SD plus external USB flash disk; JPG / MP4; external Wi-Fi
Camera functions	Freeze, photo, video, automatic exposure, white balance, playback and cross curve; image effects; flip, zoom, AOI and image comparison
Software compatibility	Windows XP / 7 / 8 / 10; Android and iOS

POSITIONING & INSTALLATION

Power	100–240V, 50/60Hz; 35–60VA
Geometry	Maximum working distance 1700 mm; working height 750–1550 mm; stand base 640 × 640 mm; 950 mm suspension arm
Handgrips	360° rotatable; can be pulled out for sterilisation
Construction	Carrier-arm cover in environmentally friendly PC; internal parts mostly 6061 aluminium alloy
Mounting	Floor stand; fixed floor stand, ceiling and low- or high-position wall mounts optional

Options

- AM-6000, AM-6000C (built-in camera), AM-6000V (variable objective) or AM-6000VC.
- 300 mm or 400 mm objective (250 mm standard).

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

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