

DENTAL MICROSCOPE

AM-2000 Series

Dental and ENT Microscopes

An optical foundation for your practice.

Operating microscopes with 5-step magnification, apochromatic optics and LED illumination, available as camera-free, variable-objective and ALL-CAM2 or ALL-CAM4 camera models.

AM-2000 Series Dental Microscope · AM-2000 Series ENT Microscope



Highlights

Thumb-shifted objective

Every objective in the series has thumb-shifted adjustment. Variable objectives cover 200–310 mm or 250–430 mm, and fixed objectives have 12 mm of fine focus.

One-handed control

An ergonomic handgrip lets you position and focus the microscope with one hand.

Upgradeable binocular

Knob-driven pupillary distance adjustment, with straight, 45° or 0–180° inclinable binocular heads to suit your preferred posture.

Camera-ready models

The AM-2000VC adds the ALL-CAM2 and the AM-2000VC-4K adds the ALL-CAM4. Beam splitters and assistant scopes support documentation and shared viewing.



DENTAL MICROSCOPE

AM-2000 Series Dental Microscope

Product code ALMAM2000D

Entry-level dental operating microscope with 5-step magnification, apochromatic optics, LED illumination with five light modes, and fixed or variable objectives. Camera configurations use the ALL-CAM2 or ALL-CAM4.



5-step
Magnification

3.4–21X
With 250 mm objective

ALL-CAM2 / ALL-CAM4
Camera options

Key features

- Manual 5-step magnification: 3.4X to 21X with the 250 mm objective.
- 200–310 mm variable objective standard; 250–430 mm variable and F200/F250/F300/F400 fixed objectives available.
- LED illumination with five modes: three spot sizes plus green and orange filters.
- 120° connecting arm; 30° binocular extender with angle rotation device.
- 5V and 12V DC power interfaces on the microscope.
- Optional ALL-CAM2 or ALL-CAM4 camera, beam splitter and assistant scopes.
- Mobile floor stand, with fixed-floor, wall, ceiling, table and table-clamp mounts available.

Specifications

OPTICS & OBSERVATION

Models	AM-2000 (fixed-focus, F250 mm, no camera) · AM-2000V (variable objective, no camera) · AM-2000VC (variable objective with ALL-CAM2) · AM-2000VC-4K (variable objective with ALL-CAM4)
Magnification	Manual 5-step: 3.4 / 5.3 / 8.5 / 13.6 / 21X with 250 mm objective
Binocular	Straight, 45° or 0–180° inclinable binocular with pupillary distance adjustment, depending on configuration
Interpupillary distance	50–75 mm
Eyepiece	12X/18B standard; 10X/21B optional; diopter ±6D
Optics	Apochromatic technology
Optical extender	30° binocular extender with angle rotation device standard; 45° or 90° extender with angle rotation device optional
Objective	200–310 mm variable objective standard; optional 250 mm objective or 250–430 mm variable objective; F200 / F300 / F400 fixed-focus objectives as accessories
Fine focus	12 mm fine-focusing range on fixed-focus objectives

LIGHT & ILLUMINATION

Illumination	LED; maximum 50,000 lux with 300 mm objective; CRI ≥85%; 5500K; LED life ≥60,000 hours
Light modes	Five modes: maximum / medium / minimum spot; green and orange filters

IMAGING & DOCUMENTATION

Camera	Optional ALL-CAM2 (Full HD) or ALL-CAM4 (4K)
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POSITIONING & INSTALLATION

Power	Input AC100–240V, 50/60Hz; output DC12V/3A; 25–60VA
Auxiliary outputs	5V and 12V DC power interfaces on the microscope
Connecting arm	120° connecting arm; 950 mm extension arm optional
Support	Mobile floor stand standard; fixed floor stand, ceiling, low- or high-position wall, table and table-clamp mounts optional

Options

- AM-2000, AM-2000V, AM-2000VC (ALL-CAM2) or AM-2000VC-4K (ALL-CAM4).
- 10X/21B eyepiece (12X/18B standard).
- Straight, 45° or 0–180° inclinable binocular head.
- 250 mm objective or 250–430 mm variable objective (200–310 mm variable standard).
- 45° or 90° binocular extender with angle rotation device.

ENT MICROSCOPE

AM-2000 Series ENT Microscope

Product code ALMAM2000ENT

The ENT configuration of the AM-2000 platform, with 5-step magnification, LED illumination with five light modes, a 120° connecting arm and optional ALL-CAM2 or ALL-CAM4 camera configurations.

5-step
Magnification

200–310 mm
Standard variable objective

120°
Connecting arm

Key features

- Manual 5-step magnification.
- Apochromatic optics; 12X/18B eyepieces with $\pm 6D$ diopter adjustment.
- 200–310 mm variable objective standard; 250 mm and 250–430 mm variable objectives optional.
- Orange and green illumination filters and three spot sizes.
- Optional ALL-CAM2 or ALL-CAM4 camera.
- Mobile floor stand, with fixed-floor, wall, ceiling and table mounts available.

Specifications

OPTICS & OBSERVATION

Models	AM-2000 (fixed-focus, F250 mm, no camera) · AM-2000V (variable objective, no camera) · AM-2000VC (variable objective with ALL-CAM2) · AM-2000VC-4K (variable objective with ALL-CAM4)
Magnification	Manual 5-step: 3.4 / 5.3 / 8.5 / 13.6 / 21X with 250 mm objective
Binocular	Straight, 45° or 0–180° inclinable binocular with pupillary distance adjustment, depending on configuration
Interpupillary distance	50–75 mm
Eyepiece	12X/18B standard; 10X/21B optional; diopter $\pm 6D$
Optics	Apochromatic technology
Optical extender	30° binocular extender with angle rotation device standard; 45° or 90° extender with angle rotation device optional
Objective	200–310 mm variable objective standard; optional 250 mm objective or 250–430 mm variable objective; F200 / F300 / F400 fixed-focus objectives as accessories
Fine focus	12 mm fine-focusing range on fixed-focus objectives

LIGHT & ILLUMINATION

Illumination	LED; maximum 50,000 lux with 300 mm objective; CRI $\geq 85\%$; 5500K; LED life $\geq 60,000$ hours
Light modes	Five modes: maximum / medium / minimum spot; green and orange filters

IMAGING & DOCUMENTATION

Camera	Optional ALL-CAM2 (Full HD) or ALL-CAM4 (4K)
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- AM-2000, AM-2000V, AM-2000VC (ALL-CAM2) or AM-2000VC-4K (ALL-CAM4).
- 10X/21B eyepiece (12X/18B standard).
- Straight, 45° or 0–180° inclinable binocular head.
- 250 mm objective or 250–430 mm variable objective (200–310 mm variable standard).
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Accessories

- 45° binocular extender with rotation device
- 3D assistant scope kit
- Camcorder or CCD camera adapter kit
- DSLR camera adapter kit
- ALL-CAM2 or ALL-CAM4 camera with wireless foot pedal
- Ceiling, low or high wall, fixed-floor or table mounting

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

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