

DENTAL MICROSCOPE

AM-2000 PLUS

4K Dental Microscope

More room around your work.

Advanced dental microscope with a C-type connecting arm, the FORA pendulum system, a variable 198–455 mm objective, 0–180° binocular, high-output LED illumination and integrated 4K imaging.

198–455 mm

Variable objective

±23°

Pendulum

4K

Built-in camera



Highlights

C-type arm

The C-type arm keeps the space around the patient clear and increases dental operating room.

FORA for an upright posture

The flexible optics rotating assembly combines a 90° binocular extender with pendulum movement, so you can stay upright while the optics tilt.

Single-hand controls

Freeze, photo, video and objective adjustment are at your fingertips without letting go of the handgrip.

Built-in 4K camera

Observe, document and play back cases with the integrated 4K camera.



Key features

- C-type arm designed to increase dental operating space.
- FORA system combines a 90° binocular extender and ±23° pendulum movement to support upright posture.

- 198–455 mm variable objective.
 - 0–180° inclined binocular (f=170 mm).
 - Single-hand controls for freeze, photo, video and objective adjustment.
- More than 80,000 lux, CRI 85% and 5500K, with orange and green filters and three spot sizes.
 - Optical pod rotation of 150° left and 180° right.
 - Built-in 4K camera for observation, documentation and playback.

Specifications

OPTICS & OBSERVATION

Magnification changer	Manual 5-step: 0.4 / 0.6 / 1.0 / 1.6 / 2.5
Total magnification	1.7X–19X
Objective	198–455 mm variable objective
Eyepiece	12.5X/18B, diopter adjustment as printed "+7D"; optional 10X/21B, –8D to +6D
Binocular	0–180° inclined; f=170 mm; interpupillary distance 50–75 mm
FORA	Integrated 90° binocular extender, pendulum rotation device and beam splitter (2:8 / 5:5)
Pendulum	±23° (standard)
Depth of field	Integrated depth-of-field strengthen mode
Optical split	Beam splitter 2:8
At 198 mm working distance	3.0X / 71.8 mm field · 4.6X / 47.9 mm · 7.6X / 28.7 mm · 12.2X / 18 mm · 19.0X / 11.5 mm
At 300 mm working distance	2.3X / 96.1 mm · 3.4X / 64.1 mm · 5.7X / 38.5 mm · 9.1X / 24 mm · 14.2X / 15.4 mm
At 455 mm working distance	1.7X / 132 mm · 2.5X / 88 mm · 4.1X / 52.8 mm · 6.6X / 33 mm · 10.4X / 21.1 mm
Optional kits	2D or 3D rotation binocular assistant scope kit; mobile phone adapter kit; DSLR camera adapter kit

LIGHT & ILLUMINATION

Illumination	>80,000 lux maximum; 5500K; CRI 85%; orange and green filters; large / medium / small spots
--------------	---

IMAGING & DOCUMENTATION

4K sensor	1/1.8 inch Sony CMOS
Camera interfaces	HDMI and USB 2.0
Camera resolution	4K 3840 × 2160 (16:9)
Storage / formats	External USB flash disk; JPG / MP4
Captured video / still	1080P video; 8M (3840 × 2160) still images

POSITIONING & INSTALLATION

Power	12V DC
Weight	85 kg with mobile floor stand
Pod rotation	150° left / 180° right

Options

- 10X/21B eyepiece (12.5X/18B standard).
- 2D or 3D rotation binocular assistant scope kit.
- Mobile phone or DSLR camera adapter kit.

Accessories

- 2D assistant scope kit with beam splitter
- 3D assistant scope kit with beam splitter
- Mobile phone adapter kit
- DSLR camera adapter kit
- Beam splitter, 2:8 or 5:5

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

Alltione Australia · alltione.com.au · sales@alltione.com.au