


Technical Parameter		
Optical Parameters		
Magnification System	5-step manual magnification changer γ=0.4x, 0.6x, 1x, 1.6x, 2.5x	
Working Distance	Variable Working Distance 210 mm ~ 460 mm	
Binocular Tubes	0°-180°Inclinable Binocular Tube	
PD Adjustment Range	55 mm ~ 75 mm	
Eyepiece	Magnification 12.5X Diopter Adjustment Range:±7 , High Eye Point (m-1)	
Illumination	Integrated true color LED illumination CT5500K / CRI90	
	Yellow and Green filters	
Light Spot Diameter	Light Spot Φ=80 mm at 250mm Working Distance	
Movement	Pendulum Pro angle 22° left and right	
	Front swing angle 45°	
	Rear swing angle 100°	
	Horizontal plane Rotate 350 °	
Optional Accessories	ViewPivot arm	
	Extender, Stereo Observation Tube, camera adapter, smartphone adapter, camcorder adapter, 4k external camera module	
Construction System		
Construction	Floor Stand with First Arm and Second Arm	
	Second Arm Length≥1000mm, Rotation Angle ±150°, Up and Down Movement Range not less than ±500 mm	
	The First Arm Length ≥500 mm, Rotation Angle ±350 °	
Software Parameter (Optional)		
Function of Software	The buttons on the optional imaging device control the photo, video and freeze functions.	
	Optional foot switch to control photo and video functions	
	The image device can capture the image of the object under the objective lens of the operating microscope, and store the image on the U disk or mobile hard disk directly.	

* Sales countries and regions do not include the Germany, Belgium, France, United Kingdom, Ireland, Switzerland, Austria, Liechtenstein, United States and Japan.

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zumax

OMS2000

DENTAL MICROSCOPE*

The new lightweight and compact design is more ergonomic and offers superior optical performance.

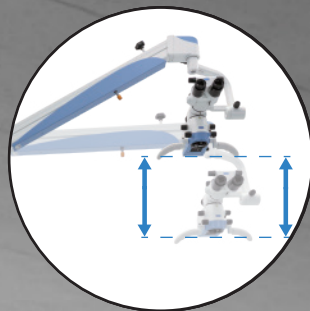




1

ViewPivot arm

As the lens rotates around the balance arm rotation axis, the optical axis and the balance arm rotation axis remain coincident.
Horizontal plane Rotate 350°



5

Customized safe working distances

Lower limit design to customize the working distance of the microscope up and down according to your working requirements



2

Pendulum Pro

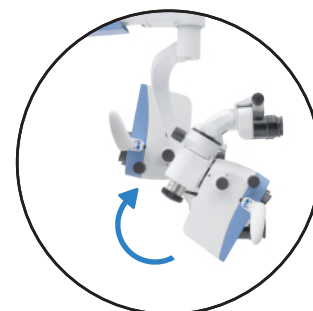
The eyepiece keeps in its original position during the pendulum movement of the lens Pendulum angle 22 degrees left and right



6

External Camera Adapter (optional)

Whole new camera interface design for doctors and assistants to take observation documentation



3

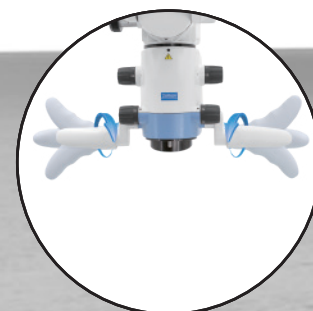
Lens tilt damping adjustment design
Front swing angle 45°
Rear swing angle 100°



7

4K camera module (optional)

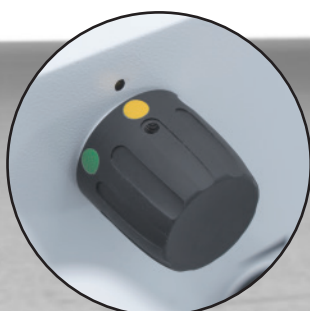
Provides 4K HD recording and video transmission to the monitor via HDMI cable



4

Rotatable handle

Ergonomic rotatable handle design



8

Filters and light spot sizes selection knob

It can switch between at least five states: large light spot, medium light spot, small light spot, yellow filter and green filter



9

5-step manual magnification

10

Up to 250mm focus range

11

Continuously adjustable light source brightness

12

Photo/video control buttons



13

Pupillary distance adjustment

14

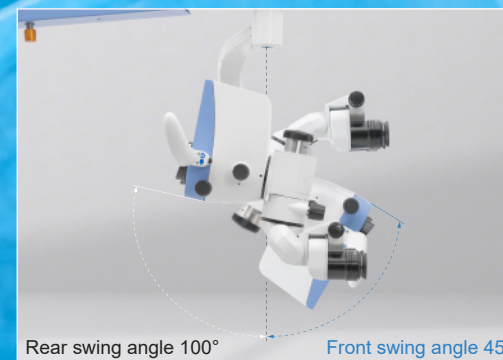
0° - 190° inclinable Binocular Tube with PD adjustment



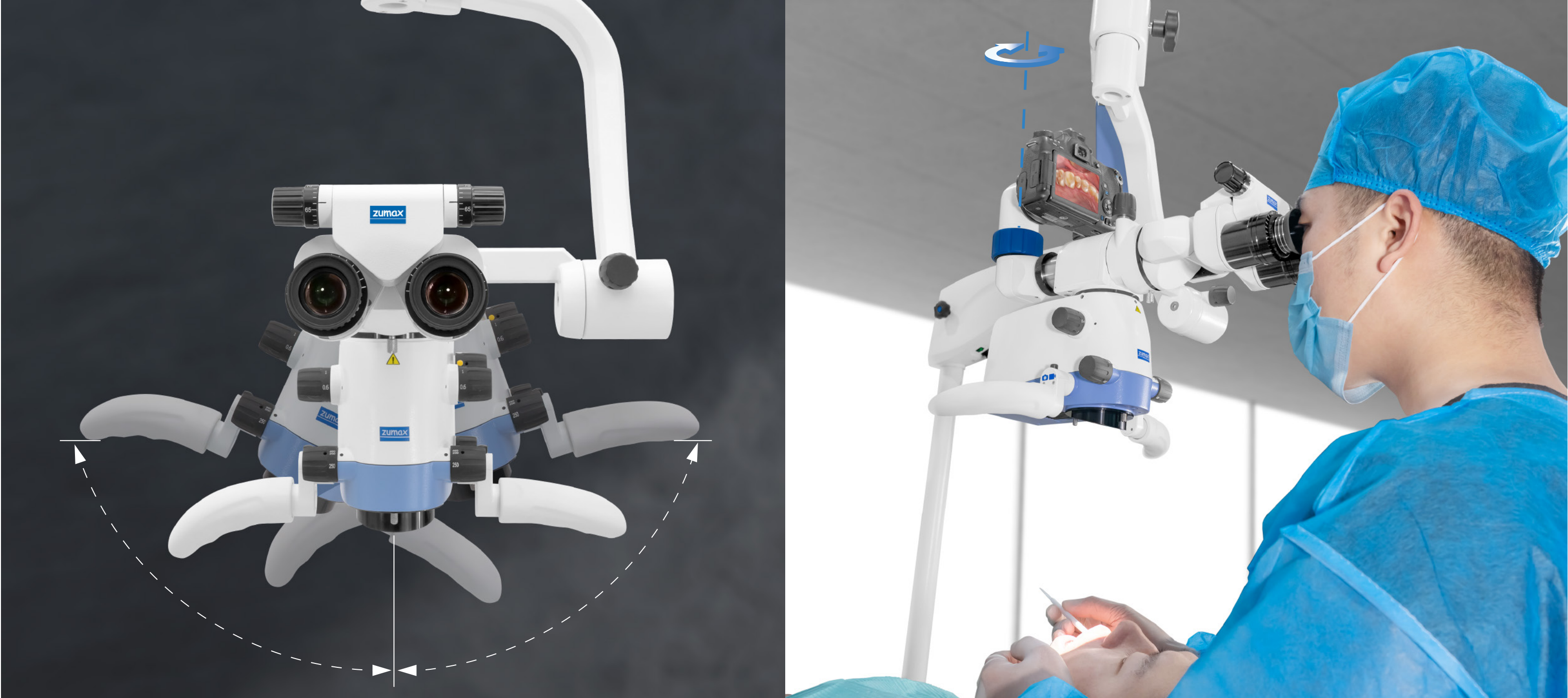


ViewPivot arm

The ViewPivot arm is a unique component designed specifically for clinicians, which allows the lens to be rotated along the center of the ViewPivot arm at all times. Once the microscope has been adjusted to the surgical position, the surgeon can change the viewing position by simply turning the lens in any direction of the patient, eliminating the need to reposition the lens and creating a convenient and efficient surgical environment.



The ViewPivot arm allows the lens to be rotated around its axis at all times and provides a 45° forward and 100° backward pendulum, which, together with the Pendulum Pro's pendulum function, allows unprecedented operation of the operating microscope.



Pendulum Pro

The Pendulum Pro design allows the eyepiece to remain its position while the lens is doing a pendulum motion, allowing the pendulum to be operated without leaving the eyepiece, and with the ViewPivot arm of the OMS2000, you can achieve an arbitrary viewing angle for an efficient, convenient and comfortable operating experience.



Pendulum angle 22 degrees left



Pendulum angle 22 degrees right

External Camera Adapter and 4K camera module(optional)

The OMS2000 comes with a brand new external camera module that allows the microscope operator and assistant to work with the camera at any angle and to use the camera screen as a secondary screen to make observation easier. The OMS2000 also offers an external module for 4K images, which provides four times the image quality compared to conventional FULL HD images, allowing you to show your patients ultra-high definition case information. The external image module allows you to easily store and share case data, and the convenient photo/video button on the handle of the OMS2000 allows you to control your medical records in ultra high definition.



External Camera Adapter for OMS2000 microscope



4K camera module for OMS2000