



Technical Parameter	
Optical Parameters	
Magnification System	Continuous zoom magnification
Working Distance	Variable Working Distance 190 mm ~ 480 mm
Binocular Tubes	0°-190°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
Movement	Pendulum Pro angle 22° left and right
	Front swing angle 45°
	Rear swing angle 100°
	Horizontal plane Rotate 350 ° ViewPivot arm
Optional Accessories	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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OMS2050

DENTAL MICROSCOPE*

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



1

ViewPivot arm

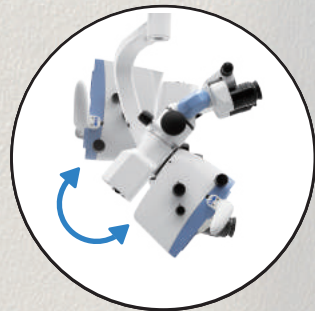
As the lens rotates around the balance arm rotation axis, the optical axis and the balance arm rotation axis remain coincident. Horizontal plane Rotate 350 degrees



2

Pendulum Pro

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



3

Lens Tilt Damping Adjustment Design

Front swing angle 45°
Rear swing angle 100°



4

Continuous zoom magnification

5

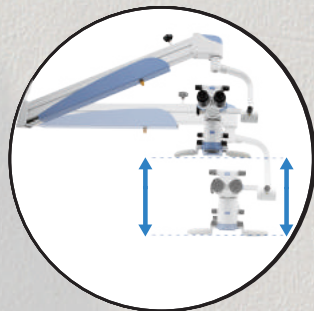
Up to 290mm focus range

6

Continuously adjustable light source brightness

7

Photo/video control buttons



8

Customized safe working distances

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



9

External Camera Adapter (optional)

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



10

4K camera module (optional)

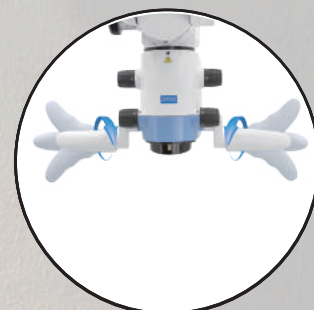
Provides 4K HD recording and video transmission to the monitor via HDMI cable



11

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



12

Rotatable handle

Ergonomic rotatable handle design



13

Pupillary distance adjustment

14

0° - 190° inclinable Binocular Tube with PD adjustment

