








# AM 2000 PLUS

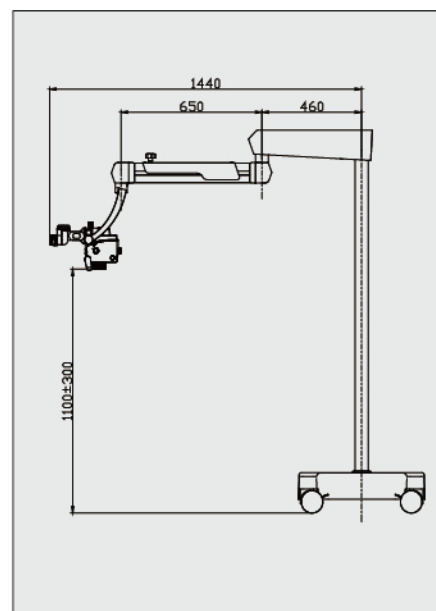
SURGICAL MICROSCOPE



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# AM 2000 PLUS SURGICAL MICROSCOPE

5 Steps Magnification	 0.4x  0.6x  1x  1.6x  2.5x
Large Objective Lens	198-455mm variable objective lens
Pendulum Rotation Device	<p>It allows operator to remain his natural and straight posture while he is observing the patient with certain angle;</p> <p>It allows operator to adjust around 23 degrees of microscope angle, which is convenient to observe the tooth area;</p> <p>The lens length is greatly improved compared with external pendulum rotation device;</p> <p>Effectively reduce the optical length and the risk of optical cutting, improve the optical quality;</p> <p>Comfortable and flexible.</p>
Depth Of Field Strengthen	<p>It is simple and convenient to switch the size of aperture with turning the knob;</p> <p>With 1.6x step magnification, the depth of field can be increased more than 50%, and the smaller magnification step, the better effective of the depth of field strengthen;</p> <p>Low depth of field can be increased more than 1 times</p> <p>Integrated design without additional lens length</p>



## Main specification

功能参数	AM 2000 PLUS
Magnification	Manual 5 steps magnification, 0.4、0.6、1.0、1.6、2.5, magnification range:1.7x-19x
Large Objective Lens	198-455mm variable objective lens
Eyepiece	12.5x/18B, diopter adjustment range: $\pm 7D$ ; 10x/21B, diopter adjustment range: $-8D \sim \pm 6D$ for option
Binocular	180° inclined binocular head, f=170mm, interpupillary distance adjustment range: 50 ~ 75mm
Object Illumination	Max $\geq 80000$ lux
LED	Color temperature 5500k, color rendering index 85%
Illumination Mode	Orange filter, green filter, large/medium/small spot
Electrical System	12V DC power supply
Depth Of Field Strengthen	Integrated Depth-Of-Field strengthen
Camera	Built-in 4k camera
Weight	85KG (with floor mobile stand)

## Built-in camera parameters

Sensor	1/1.8 Inch Sony High-sensitivity and Low-noise CMOS
Output interface	HDMI
	USB2.0
Resolution	4k 3840x2160 (16: 9)
Storage	External U Disk can be Connected Picture: JPG Format, Video: MP4 Format
Beam Split Ratio	2:8
Video Resolution	1080P
Picture Resolution	8M (3840 x 2160)
Basic Function	Freeze, Photograph, Video Recording, Automatic Exposure, White Balance, Play Back And Cross Curve
Image Effect	Exposure Value, Best Brightness, Gain, Red Gain, Blue Gain, Saturation, Contrast Ratio, Sharpness, Definition And HDR
Advance Function	Horizontal Flip, Vertical Flip
System Settings	Automatic Naming/Autonomous Naming, Time Display/Time Hiding, Display Logo/Hide Logo, Language, Resolution, Naming Settings, System Update, Restore Factory Settings, Version Information

## Optical parameters

Objective lens	F=198-455mm					
	F=198mm		F=300mm		F=455mm	
Magnification charge	Total magnification	Field of view(mm)	Total magnification	Field of view(mm)	Total magnification	Field of view(mm)
0.4	3.0x	71.8	2.3x	96.1	1.7x	132.0
0.6	4.6x	47.9	3.4x	64.1	2.5x	88.0
1	7.6x	28.7	5.7x	38.5	4.1x	52.8
1.6	12.2x	18.0	9.1x	24.0	6.6x	33.0
2.5	19.0x	11.5	14.2x	15.4	10.4x	21.1

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