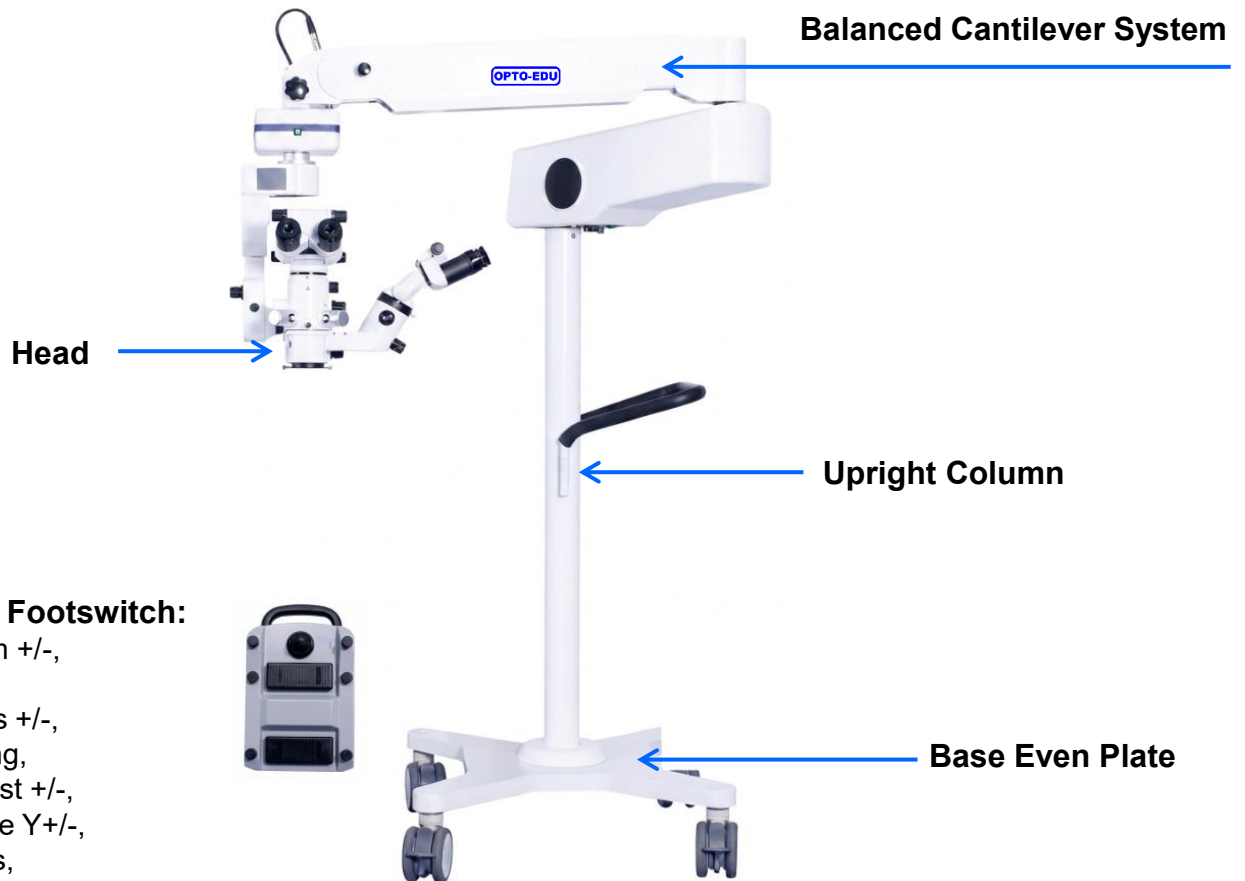




A41.1935

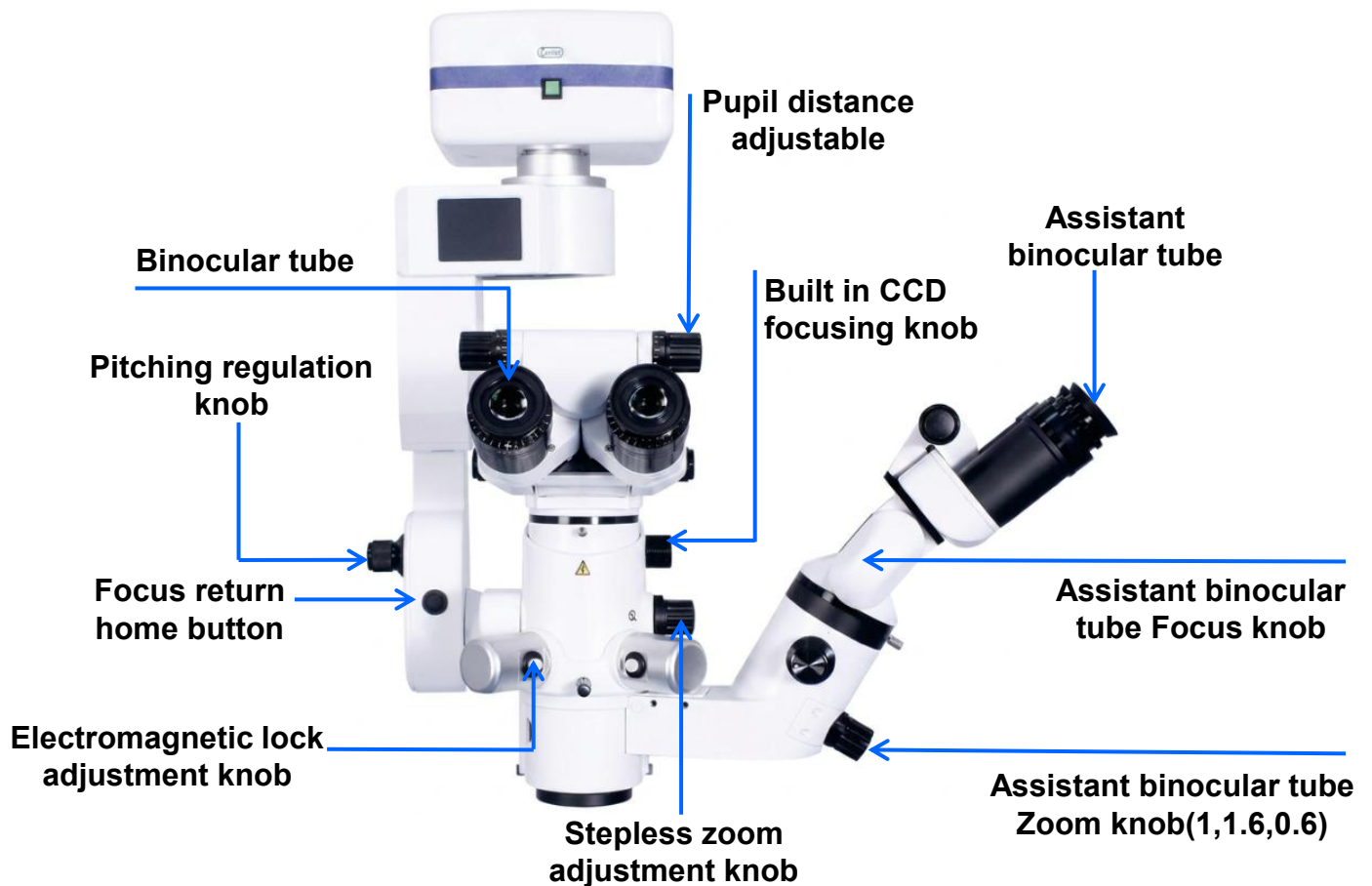
**Operating Microscope, Dual Head,
Motorized Zoom Lenses 4.5x~27.3x, 14 Function Foot Switch,
For Ophthalmology**





14 Functions Footswitch:

motorized zoom +/-,
take a picture,
motorized focus +/-,
picture recording,
brightness adjust +/-,
Move X+/-, move Y+/-,
browse pictures,
turn off the light, freeze
Previous Page,
Next page, switch filter



Electromagnetic lock control system

Press the electromagnetic lock button on the handle to release the electromagnetic lock of the entire machine, allowing for easy and free movement of the microscope lens to the working area; Then release the button and all joints are locked.



Handle controlled electromagnetic locking system

Free suspension + balance system

The electromagnetic lock control system allows the lens to achieve free suspension and balance, and the bracket balance coefficient can be adjusted according to the lens load, allowing you to experience a zero gravity operation experience.

Counter-balanced pantographic arms design and tension control adjustable connection arms, head can be easily move and stop at any position smoothly.



Pitch adjustment

Adjusting the pitch angle of the microscope head through a knob is beneficial for the chief surgeon to obtain the best viewing angle.





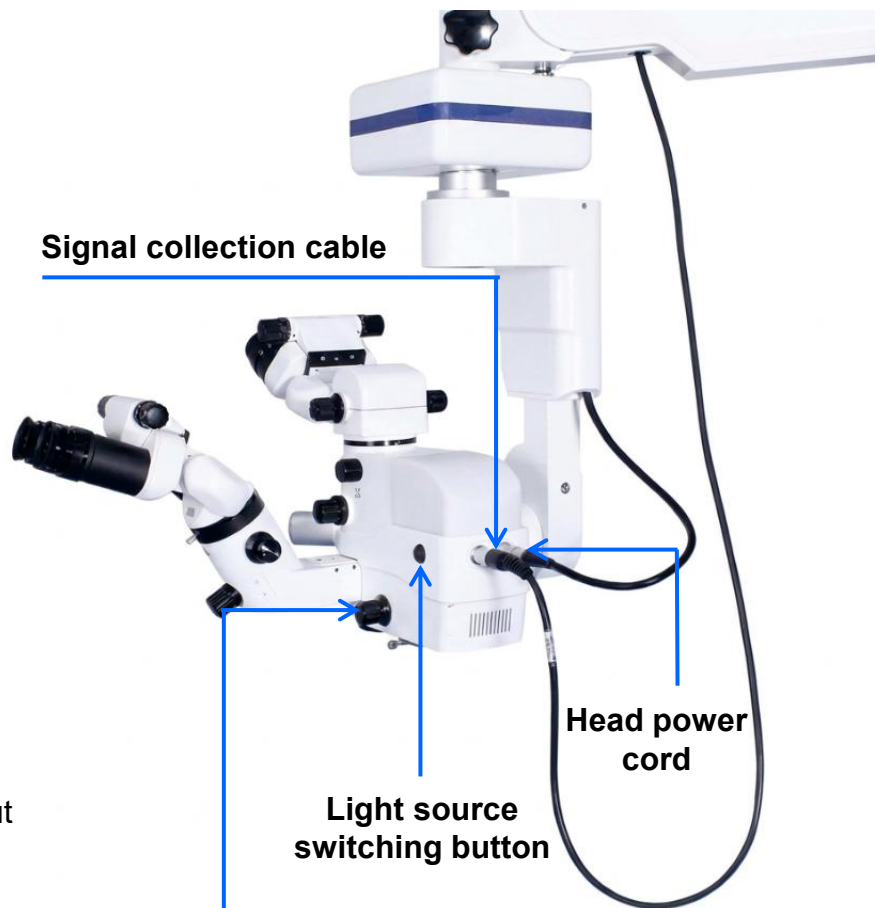
Binocular tube

pupil distance 55mm~75mm.
0~200° Binocular tube can suitable for different Surgeons Adjustable eyecup in eyepiece suitable for with glass and without glass

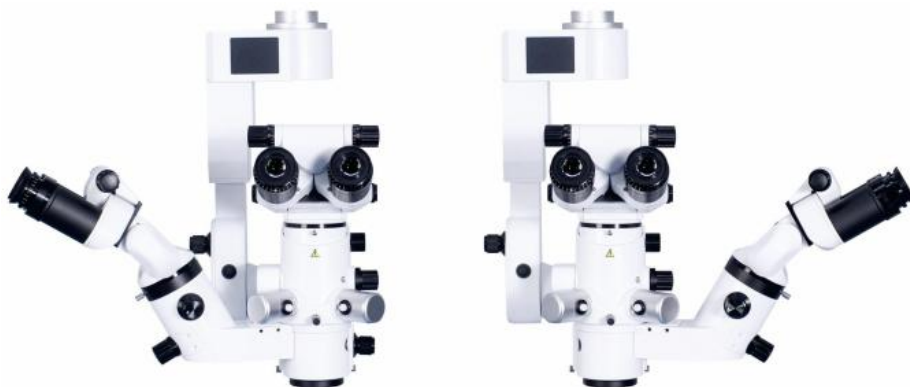
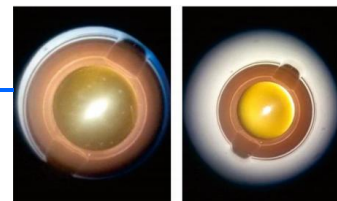


Assistant tube rotation button

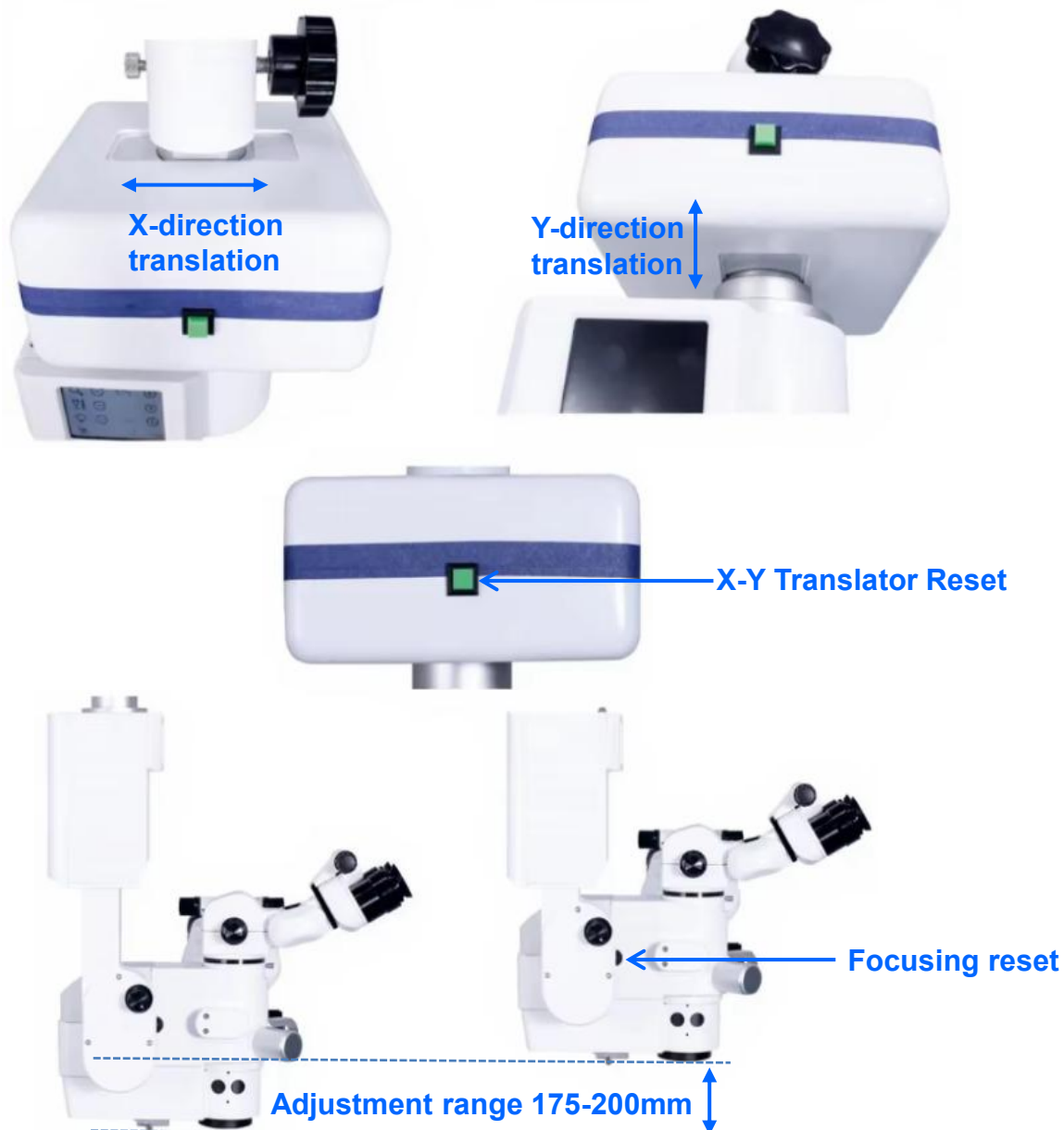
Press the assistant tube rotation button ,
The assistant tube can rotate 180 degrees around the main tube to meet different observation needs.



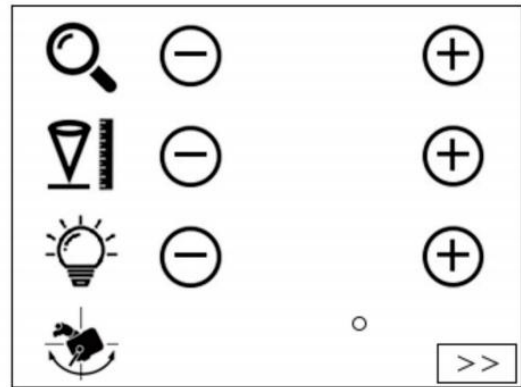
Red reflection Continuous regulation



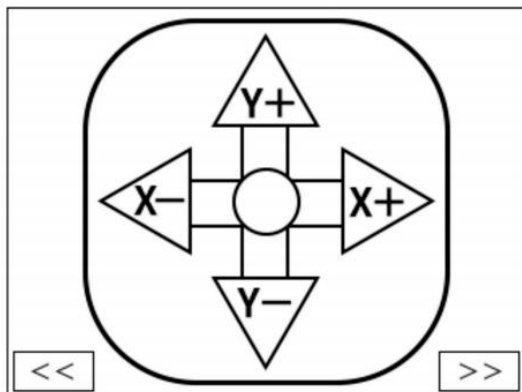
- LED lamps exchangeable
- Macular protector can protect Retina
- Depth regulator to increase field depth of field of view
- Magnetic brakes
- Main binocular tube and assistant tube use independent optical system , the same luminance , the same magnification, motorized continuous change 4-27 times
- 0° ~200° Variable angle binocular tube, Alleviating long-term fatigue



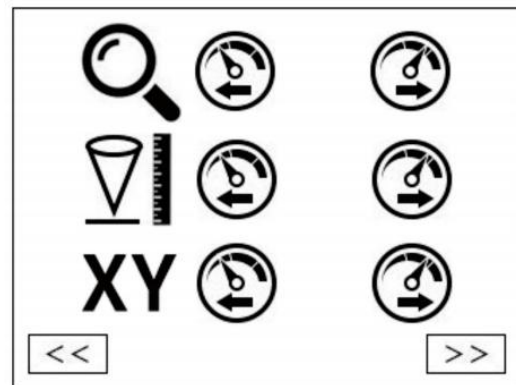
Size	138*50*170mm
Weight	0.5kg
Storage And Operating Conditions	Temperature: +10°C To +40°C
Sterility	Sterilize Before Use
Materials	Surgical Grade Materials
Condenser Lens Assembly	Manual
Lens Positioning Unit	Rotational Assembly
Lenses	130°
	90°
Mounting Kits	Zeiss
	Leica
	Topcon
	Takagi
	CORDER



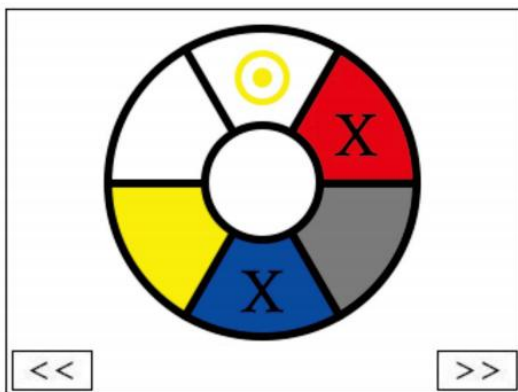
Zoom adjustment/ Focus adjustment
brightness adjustment / Pitch angle display



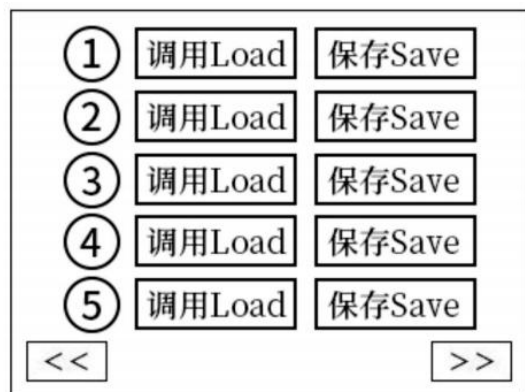
X-Y translational adjustment



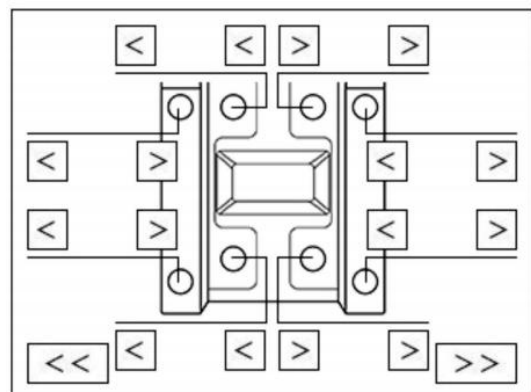
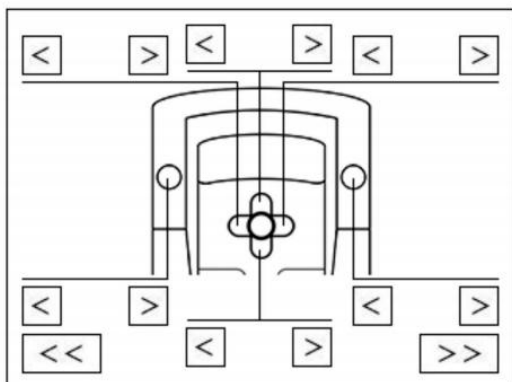
Zoom speed adjustment /focusing speed
adjustment/X-Y translation speed adjustment



Filter switching touch control



User Information Call and Save Interface



Foot pedal 14 function customization setting interface

BIOM KIT For Fundus Surgery



Image Inverter



Hanger bracket



Wide-angle lens 90+ 130°



Integrated Image Inverter



A55.1931

A55.1932



External BIOM System



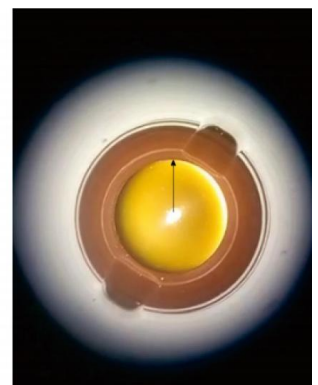
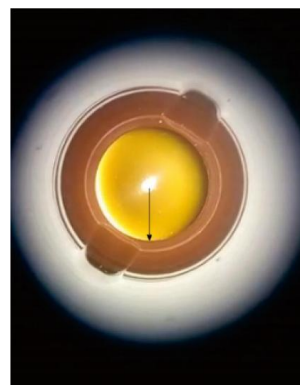
Integrated BIOM System

Image Inverter Function



Image Inverter Switch Knob

The imaging inside the main observation tube can be switched to inverted image using this knob.



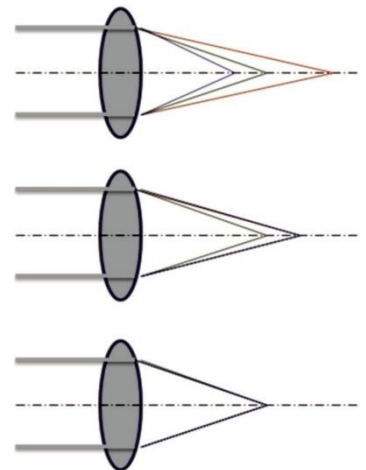
Multilayer Coating Technology, The Light Transmittance Is Up To 98%.

Through multilayer coating technology, we can reduce light reflection attenuation, increase light transmission and improve brightness. The multilayer coating technology we use can achieve optical energy passing rate of 98%.



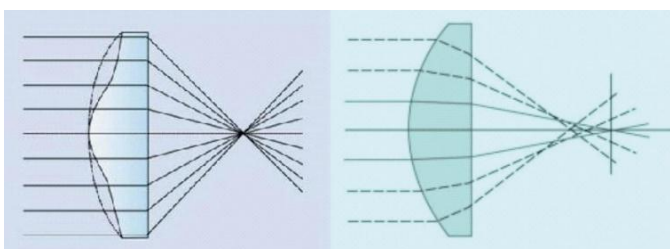
Complex Achromatic Objective Lens

Optical design of apochromatic correction can not only red green and blue three colors. Can correct the aberration of red, blue two color lights. Improve image resolution, contrast and depth of field.



Aspheric Lighting Technology, Better Light Gathering Effect

The spherical illumination can not refract the light to the same surface and cause the light to be more dispersed on the surface. The aspheric technology can increase the concentration effect and improve the brightness.



A41.1930, A41.1931, A41.1934, A41.1935, A41.1936 Surgical Operation Microscope

A41.1930 Operating Microscope is a basic Operation Microscope with 3 steps magnification.

A41.1931 is a very practical version, with 6 functions foot switch to control motorized X/Y move, Z focus and 5 steps magnification.

A41.1934 comes fitted with an integrated camera and an individual LED light source to deliver well-lit imaging at all times.

A41.1935 is our flagship model, upgraded with three electromagnetic lock assemblies, continuously variable zoom main lens and a integrated camera, 4-inch screen, 3 sets of electromagnetic locks

A41.1936 is the highest model in this series, with motorized zoom 4.5x~27.3x objective, dual Xenon light 100000 lux, 12 functions foot switch to control motorized X/Y move, Z focus & Zoom, 4K camera integrated BIOM system, 4 sets of electromagnetic locks

All 5 models can upgrade with optional beam splitter, SLR camera adapter, phone holder, CCD adapter for digital camera, for sharing real time image to LCD monitor, mobile phone or computer.

Features:

- Dual Head 45° Opposite, With Red Reflection & Macular Protector, For Ophthalmology
- Eyepiece 12.5x, 3 Steps Manual Zoom 6x10x16x, 5 Steps Manual Zoom 4x 6x10x16x 24x, or Continuous Zoom 4.5x~27.3x
- Objective F=200mm, 2nd Objective F=125mm, LED, Max Brightness 60000 Lux to 100000 Lux
- 2 Functions, 12 Functions, 14 Functions Foot Switch, Control X/Y Movie, Z Focus, Zoom
- Four Wheels Stand Swing Angle of Carry Arm 0~300°, Height From Objective to Floor 800mm<H<1573mm

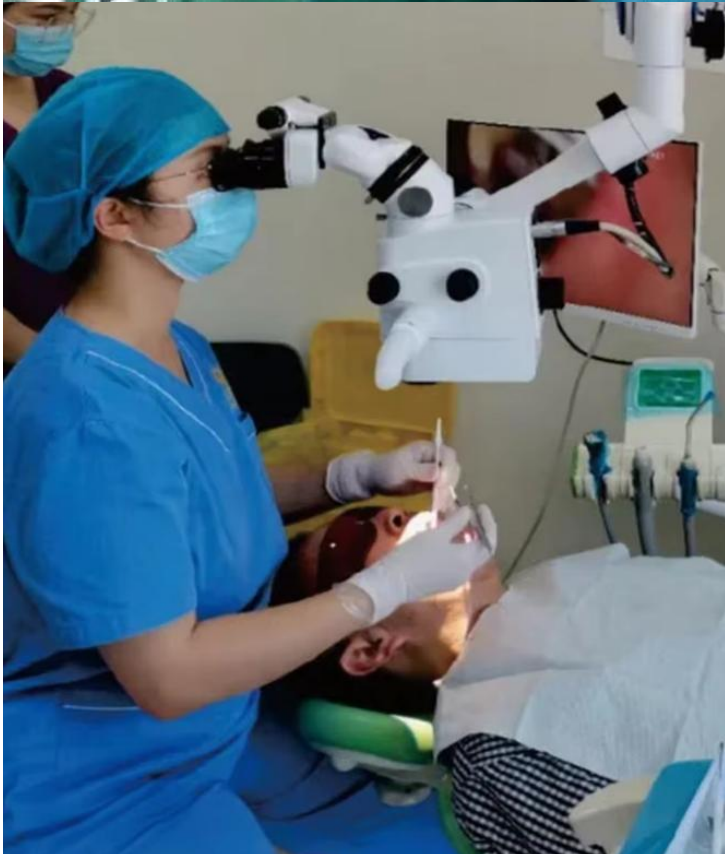


	A41.1930	A41.1931	A41.1934	A41.1935	A41.1936
Main Usage	With Red Reflection & Macular Protector, For Ophthalmology				
Eyepiece	WF12.5x				
Head	Single Head	Dual Heads For Two People Operation, Opposite In 45°			
	Interpupillary Distance 55~75mm, Eyetube Diopter Adjustable ±6D				
Main Head	Inclined 45°,OptionI 0~200°	Inclined 0~200°	Inclined 0°~200°	Inclined 0°~200°	Inclined 0°~200°
Magnification	3 Steps 6x,10x,16x	5 Steps 4x,6x,10x,16x,24x	4.5x~27.3x Continuous Zoom		
View Field	Dia.41.77mm, 25.06mm, 15.66mm	Dia.50mm, 32mm, 20mm, 12mm, 8mm	Dia.44~7.7mm	Dia.45~7.5mm	Dia.49.4~8.2mm
Zoom Body	——		1:6 Motorized Continuous Zoom, Parallel Light System		
Assistant Head	——	180° Rotatable			
Magnification	——	3 Steps 6x, 10x, 16x	5 Steps 4x,6x,10x,16x,24x	5 Steps 4x,6x,10x,16x,24x	5 Steps 4x,6x,10x,16x,24x
View Field	——	Dia.34mm, 20mm, 13mm	Dia.50mm, 32mm, 20mm, 12mm, 8mm	Dia.50mm, 32mm, 20mm, 12mm, 8mm	Dia.50mm, 32mm, 20mm, 12mm, 8mm
Main Objective	F=200mm, Optional F=175mm, 250mm, 300mm, 350mm, 400mm, 450mm				
Assistant Obj.	F=200mm				
Focus	Motorized Focus, Range +/-15mm, Speed 33s/Full Distance	Motorized Focus, Range +/-25mm, Speed 33s/Full Distance	Motorized Focus, Range +/-30mm, Speed 33s/Full Distance	Motorized Focus, Range +/-30mm, Speed 33s/Full Distance	Motorized Focus, Range +/-40mm, Speed 33s/Full Distance
EM Lock	——	——	——	3 Sets	4 Sets
Touchscreen	——	——	4" Touchscreen	4" Touchscreen	7" Touchscreen
Control	2 Functions Foot Switch	2 Functions Foot Switch	14 Functions Foot Switch	14 Functions Foot Switch	12 Functions Foot Switch
	Control Z Focus	Control Z Focus	Control X/Y Move, Z Focus, Zoom	Control X/Y Move, Z Focus, Zoom	Control X/Y/Z Move, Z Focus, Zoom
Stand	Four Wheels Moving Stand				
	Max Extended Length 1100mm	Max Extended Length 1100mm	Max Extended Length 1200mm	Max Extended Length 1508mm	Max Extended Length 1815mm
	Max Rotatable Swing Angle of Arm 0~300°				
	Distance Between Objective And Ground Surface 800mm~1250mm	Distance Between Objective And Ground Surface 800mm~1250mm	Distance Between Objective And Ground Surface 800mm~1250mm	Distance Between Objective And Ground Surface 813mm~1573mm	Distance Between Objective And Ground Surface 690mm~1452mm
Illumination	1 Coaxial LED	1 Coaxial LED	2 Coaxial LED	2 Coaxial LED	2 Coaxial 180W Xenon
	Light Spot Dia.70mm, Intensity 60000 Lux	Light Spot Dia.50mm, Intensity 60000 Lux	Light Spot Dia.50mm, Intensity 60000 Lux	Light Spot Dia.50mm, Intensity 70000 Lux	Light Spot Dia.50mm, Intensity 100000 Lux
Red Reflection	Non-adjustable	Adjustable ±2°	Adjustable ±2°	Adjustable ±2°	Adjustable ±2°
Filter	Heat Absorber	Heat Absorber	Heat Absorber	Heat Absorber	Heat Absorber
	Macular Protection	Macular Protection	Macular Protection	Macular Protection	Macular Protection
	Green Filter	Green Filter	Green Filter	Green Filter	Green Filter
	——	Blue Filter	Blue Filter	Blue Filter	Blue Filter
	——	——	Yellow Filter	Yellow Filter	Yellow Filter
	——	——	Gray Filter	Gray Filter	Gray Filter
	Optional Cobalt Blue Filter	Optional Cobalt Blue Filter	Optional Cobalt Blue Filter	Optional Cobalt Blue Filter	Optional Cobalt Blue Filter
BIOM	Optional Integrated/External	Optional Integrated/External	Optional Integrated/External	Optional Integrated/External	Standard Integrated
Packing	2 Cartons Total G.W 104Kg, Volume 0.3CBM	3 Cartons Total G.W 104Kg, Volume 0.35CBM	4 Cartons Total G.W 165 Kg Volume 1.2CBM	1 Carton Total G.W 350 Kg Volume 2.7CBM	1 Carton Total G.W 401 Kg Volume 2.7CBM

A41.19 Series Model & Selection Guide

Picture	Model	Magnification	Head & C-Mount	Standard Objective	Optional Objective	Optional	Light Source	Control	Package	Application
	A41.1924	5 Steps, 3.6x, 5.4x, 9x, 14.4x, 22.5x	One Head 0~200°	F=180~300 mm	F=200~450 mm	Assistant Head Beam Splitter SLR Adapter Phone Holder CCD Adapter LCD Holder	LED 60000 lux	Manual	3 Cartons, Total G.W 111Kg, Volume 0.381CBM	ENT Dental
	A41.1925	2.5x~21x	One Head 0~200°	F=180~300 mm			LED 60000 lux	Manual	3 Cartons, Total G.W 111Kg, Volume 0.381CBM	ENT Dental
	A41.1930	3 Steps, 6x, 10x, 16x	Binocular Head, 45°	F=200mm	F=175mm F=250mm F=300mm F=350mm F=400mm F=450mm	Beam Splitter SLR Adapter Phone Holder CCD Adapter LCD Holder	1 LED 60000 Lux	2 Function Foot Switch Z (Focus)	2 Cartons Total G.W 104Kg, Volume 0.3CBM	Ophthalmology
	A41.1931	5 Steps 4x, 6x, 10x, 16x, 24x	Dual Head 0°~200°+45°	F=200mm			1 LED 60000 Lux	2 Function Foot Switch Z (Focus)	3 Cartons Total G.W 104Kg, Volume 0.35CBM	Ophthalmology
	A41.1934	Motor Zoom 4.5x~27.3x	Dual Head 0°~200°+45°	F=200mm			2 LED 60000 Lux	14 Function Foot Switch X/Y/Z/Zoom	4 Cartons Total G.W 165 Kg Volume 1.2CBM	Ophthalmology
	A41.1935	Motor Zoom 4.5x~27.3x	Dual Head 0°~200°+45°	F=200mm			2 LED 70000 Lux	14 Function Foot Switch X/Y/Z/Zoom	1 Carton Total G.W 350 Kg Volume 2.7CBM	Ophthalmology
	A41.1936	Motor Zoom 4.5x~27.3x	Dual Head 0°~200°+45°	F=200mm			2 Xenon Lamp 100000 Lux	12 Function Foot Switch X/Y/Z/Zoom	1 Carton Total G.W 401 Kg Volume 2.7CBM	Ophthalmology
	A41.1941	3 Steps, 6x, 10x, 16x	Dual Head 45°+45°	F=200mm	F=175mm F=250mm F=300mm F=350mm F=400mm F=450mm	Beam Splitter SLR Adapter Phone Holder CCD Adapter LCD Holder	Halogen 60000 lux	2 Function Foot Switch Z (Focus)	3 Cartons, Total G.W 104Kg, Volume 0.346CBM	Orthopedics, Plastic Surgery, Hand Surgery, Thoracic Surgery
	A41.1945	Motor Zoom 4x~24x	Dual Head 30°~90°+45°	F=200mm			LED+ Halogen Dual Fiber 100000 lux	8 Function Foot Switch X/Y/Z/Zoom	4 Cartons, Total G.W 165Kg, Volume 0.45CBM	Orthopedics, Plastic Surgery, Hand Surgery, Thoracic Surgery
	A41.1950	Motor Zoom 3x~16x	Dual Head 30°~90°+0° Beam Splitter	F=300mm	/	SLR Adapter Phone Holder CCD Adapter LCD Holder	LED+ Halogen Dual Fiber 100000 lux	8 Function Handle or Foot Switch X/Y/Z/Zoom	4 Cartons, Total G.W 169Kg, Volume 0.45CBM	Neurosurgery Brain Surgery Dental ENT
	A41.1951	Motor Zoom 1.8x~21x	Dual Head 0°~200°+0° Beam Splitter Built-in CCD Software	F=200~450 mm		SLR Adapter Phone Holder LCD Holder	LED +Halogen Dual Fiber 100000 lux	12 Function Handle X/Y/Z/Zoom Auto Focus Photo/Video Brightness	4 Cartons, Total G.W 169Kg, Volume 0.45CBM	Neurosurgery Brain Surgery Dental ENT
	A41.1952	Motor Zoom 1.8x~19x	Dual Head 0°~200°+0° Beam Splitter Built-in CCD Software	F=200~500 mm		Beam Splitter SLR Adapter Phone Holder CCD Adapter LCD Holder	Built-in 2 Sets Xenon 300W 100000 lux	12 Functions Handle X/Y/Z/Zoom CCD Camera Auto Focus Brightness	4 Cartons Total G.W 215Kg Volume 0.45CBM	Neurosurgery Brain Surgery Dental ENT
	A41.1954	Motor Zoom 1.8x~21x	Dual Head 0°~200°+0° Beam Splitter Built-in CCD Software	F=200~630 mm		Beam Splitter SLR Adapter Phone Holder CCD Adapter LCD Holder	Built-in 2 Sets Xenon 300W 100000 lux	12 Functions Handle X/Y/Z/Zoom CCD Camera Auto Focus Brightness	4 Cartons Total G.W 215Kg Volume 0.45CBM	Neurosurgery Brain Surgery Dental ENT

Optional Accessories			Optional For	Cata. No
Objective		F=175mm	A41.193x Series A41.194x Series A41.195x Series All Models	A52.1941-175
		F=200mm		A52.1941-200
		F=250mm		A52.1941-250
		F=300mm		A52.1941-300
		F=350mm		A52.1941-350
		F=400mm		A52.1941-400
		F=450mm		A52.1941-450
Zoom Objective		F=180-300mm	A41.192x Series	A52.1942-180300
		F=200-450mm	A41.192x Series	A52.1942-200450
Head		Assistant Binocular Head	A41.192x Series	A53.1941
Beam Splitter		Wedge-shaped Splitter, 1 Port	A41.192x Series	A55.1941
		Beam Splitter, 2 Ports	A41.193x Series A41.194x Series A41.195x Series	A55.1942
Adapter		SLR Digital Camera Adapter, For Canon or Nikon (Need Confirm Which Brand When Order)	A41.192x Series A41.193x Series A41.194x Series A41.195x Series All Models	A55.1943
		Mobile Phone Adapter & Holder	A41.192x Series A41.193x Series A41.194x Series A41.195x Series All Models	A55.1944
		Digital CCD Camera Adapter	A41.192x Series A41.193x Series A41.194x Series A41.195x Series All Models	A55.1945
Digital Camera		38M, 1/2.3", Output HDMI+USB+TF Card, HDMI Resolution Photo 60M, Video 2K@30FPS, 1080p@60FPS, USB Resolution 2.0M, HDMI+USB Output At Same Time, USB Measuring Function, Input DC12V, C/CS Mount, Including HDMI Cable, USB Cable, Remote Controller, Adapter, Manual, 16G TF Card	A41.192x Series A41.193x Series A41.194x Series A41.195x Series All Models	A59.4231
Light Source		Xeon Light Source, 300W	A41.193x Series A41.195x Series	A56.4844
External BIOM System Kit		For Fundus Surgery, External Image Inverter +Holder+130°+90° Lens, Mounting Kits For Zeiss ,Leica ,Topcon , Takagi, Corder	A41.1930 A41.1931 A41.1934 A41.1935	A55.1931
Integrated BIOM System Kit		For Fundus Surgery, Integrated Image Inverter + Holder +130°+90° Lens, Mounting Kits For Zeiss ,Leica ,Topcon , Takagi, Corder	A41.1930 A41.1931 A41.1934 A41.1935	A55.1932



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