



## WF12.5x Surgery Microscope Manual 6 Step 2.7x 4.5x 7.2x 10.8x 18x 27x

### Our Product Introduction

#### Basic Information

- Place of Origin: China
- Brand Name: CNOEC, OPTO-EDU
- Certification: CE, Rohs
- Model Number: A41.1921
- Minimum Order Quantity: 1 pc
- Price: FOB \$1~1000, Depend on Order Quantity
- Packaging Details: Carton Packing, For Export Transportation
- Delivery Time: 5~20 Days
- Payment Terms: T/T, West Union, Paypal
- Supply Ability: 5000 pcs/ Month



#### Product Specification

- Main Usage: Neurosurgery, Brain Surgery, ENT
- Adapter: Beam Splitter Included, 2 Ports, For Assistant Head And C-Mount
- Diopter: Both Left & Right Eyetube Diopter Adjustable  $\pm 6D$
- Eyepiece: WF12.5x
- Zoom Body: Motorized Continues Zoom 1:6, Parallel Light System
- Objective: F=300mm
- Highlight: **WF12.5x Surgery Microscope, OPTO EDU Surgery Microscope, WF12.5x Surgical Microscope**

## Product Description

### WF12.5x Surgery Microscope Manual 6 Step 2.7x 4.5x 7.2x 10.8x 18x 27x

#### A41.1921, A41.1925 Surgical Operation Microscope

**A41.1921** Operating Microscope, is Best Choice for ENT, Dental Operation. It has one head which can tilt 0~200° freely, using fiber-optic cable for coaxial illumination up to 60000 lux, manual 6 steps zoom body, total magnification 2.7x, 4.5x, 7.2x, 10.8x, 18x, 27x, featured with objective F=250mm, optional objectives F=175mm, 200mm, 300mm, 350mm, 400mm, 450mm, and big zoom 180~300mm, and 200~500mm. it is widely used in hospital for Ear, Nose, Throat (ENT), and dental.

**A41.1925** is upgraded version, with continuous zoom body 2.5x~21x, instead of 6 steps zoom. Using high resolution optical system, the microscope has three-dimensional sense of strong, large depth of field, LED cold light source and optical fiber coaxial illumination.

Both models can upgrade with optional assistant head, 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:

- One Binocular Head, Tilttable 0~200°, Interpupillary 55-75mm, Diopter +/-6D
- Eyepiece 12.5x, 6 Steps Manual Zoom, Magnification 2.7x, 4.5x, 7.2x, 10.8x, 18x, 27x, 12.6x, or Zoom 2.5x~21x
- Objective F=250mm, View Field Dia.74.1~7.4mm, Head X/Y Swing +/-45°
- LED Cold Light, Max Brightness 60000Lux, Light Spot Dia.80mm, With Blue/Yellow Filters
- Four Wheels Stand Swing Angle of Carry Arm 0~300°, Height From Objective to Floor 730mm

	A41.1921	A41.1925
Main Usage	Ear, Nose, Throat (ENT), Dental	
Head	Binocular Head 0°~200° Angle Adjustable, Interpupillary Distance 55~75mm By Knob, Swing X-Y Direction +/-45°	
Diopter	Both Left & Right Eyetube Diopter Adjustable ±6D	
Eyepiece	WF12.5x	
Zoom Body	1:6 Manual Continuous Zoom, Parallel Light System	
Objective	F=250mm, Optional F=175mm, 200mm, 300mm, 350mm, 400mm, 450mm, 180~300mm, 200~500mm	
Magnification	6 Steps 2.7x, 4.5x, 7.2x, 10.8x, 18x, 27x	2.5x~21x Continuous Zoom
View Field	Dia.74.1, 44.5, 27.8, 18.5, 11.1, 7.4mm	Dia.78.6~9mm
Focusing	Manual Focus	
Stand	Four Wheels Moving Stand --Max Extended Length 1100mm --Max Rotatable Swing Angle of Arm 0~300° --Distance Between Objective And Ground Surface 730mm~1250mm	
Illumination	Optical Fiber Coaxial LED Cold Light Illumination, Light Spot Dia.80mm, Intensity 60000 Lux, Built-in Small-spot, Blue & Yellow Filters.	
Packing	3 Cartons Total G.W 111Kg, Volume 0.381CBM Head: 595×460×230(mm)/11kg Body: 1200×545×250 (mm)/32kg Stand:785×785×250(mm)/68kg	



OPTO-EDU (BEIJING) CO., LTD.

OPTO-EDU

F-1501 Wanda Plaza, No.18 Shijingshan Road, Beijing 100043, China  
Tel:+8610 88696020 Fax:+8610 88696085

## A41.1921

Operating Microscope, One Head 0-200°  
Manual 6 Step, 2.7x, 4.5x, 7.2x, 10.8x, 18x, 27x,  
For Dental, ENT



#### A41.1921 Details

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Balanced Cantilever System



Head

Upright Column

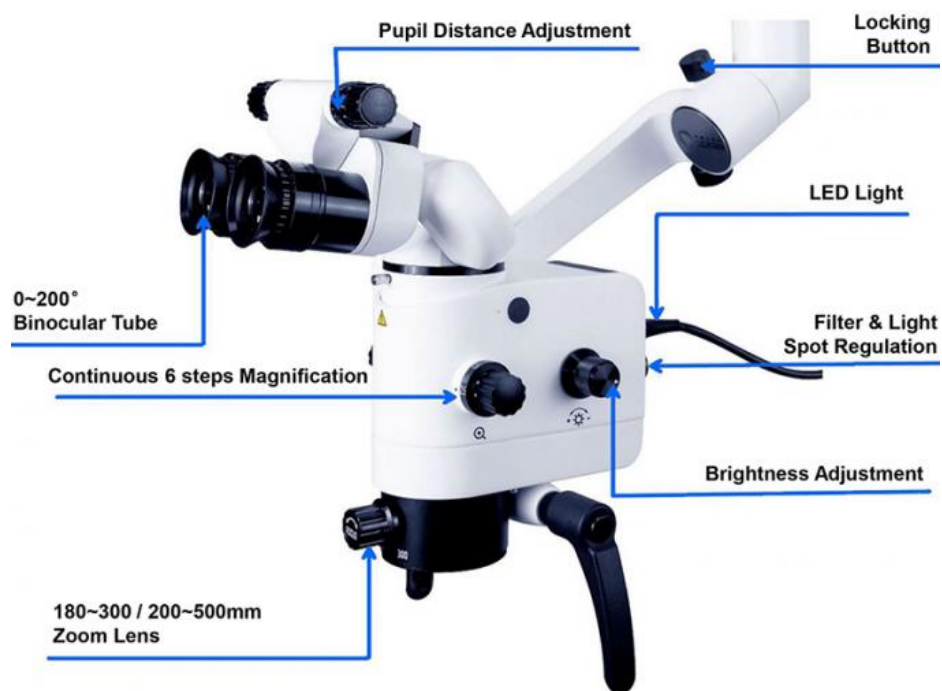
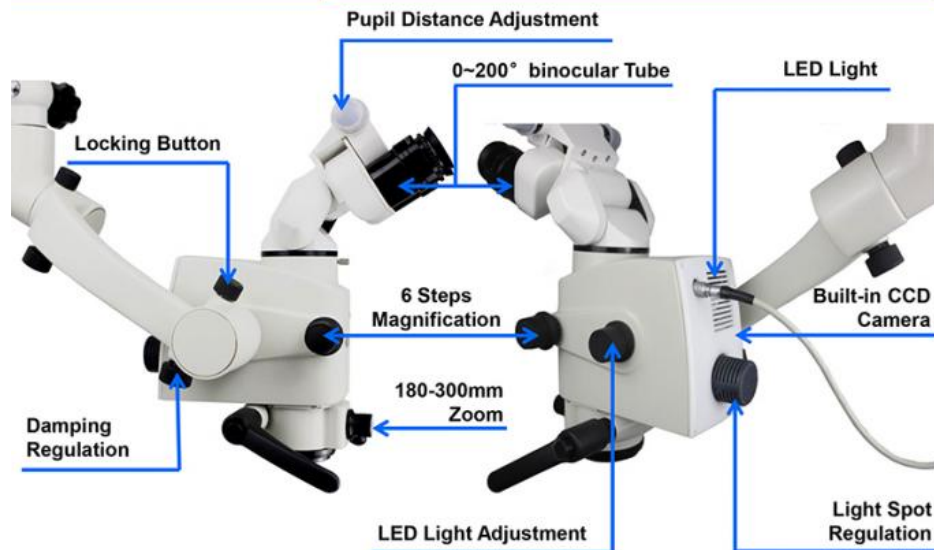
Base Even Plate

## A41.1921 Operating Microscope, One Head 0-200°, Manual 6 Step, 2.7x,4.5x,7.2x,10.8x,18x,27x, For Dental, ENT

- One Binocular Head, Tilttable 0~200°, Interpupillary 55-75mm, Diopter +/-6D
- Eyepiece 12.5x, 6 Steps Manual Zoom, Magnification 2.7x,4.5x,7.2x, 10.8x,18x,27x,12.6x
- Objective F=250mm, View Field Dia.74.1~7.4mm, Head X/Y Swing +/-45°
- LED Cold Light, Max Brightness 60000Lux, Light Spot Dia.80mm, With Blue/Yellow Filters
- Four Wheels Stand Swing Angle of Carry Arm 0~300° Objective to Floor Height 730mm

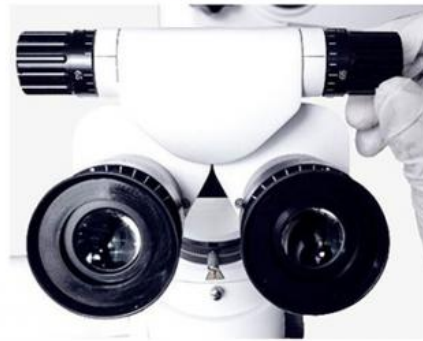
### A41.1921 Details

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**Adjustable Eyecup**

Eyepiece suitable for with glass and without glass

**Adjustable Pupillary Distance**

Pupil distance 55mm~75mm

**360° Revolving Handle**

The handle can be rotated at 360 degrees to fully meet the use of each operation.

**Obliquely Pendulum Binocular**

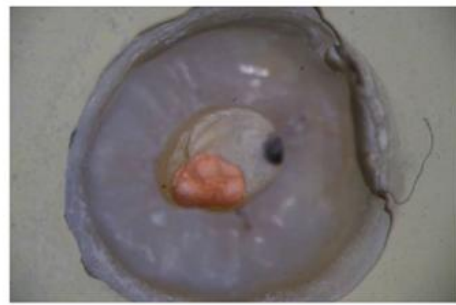
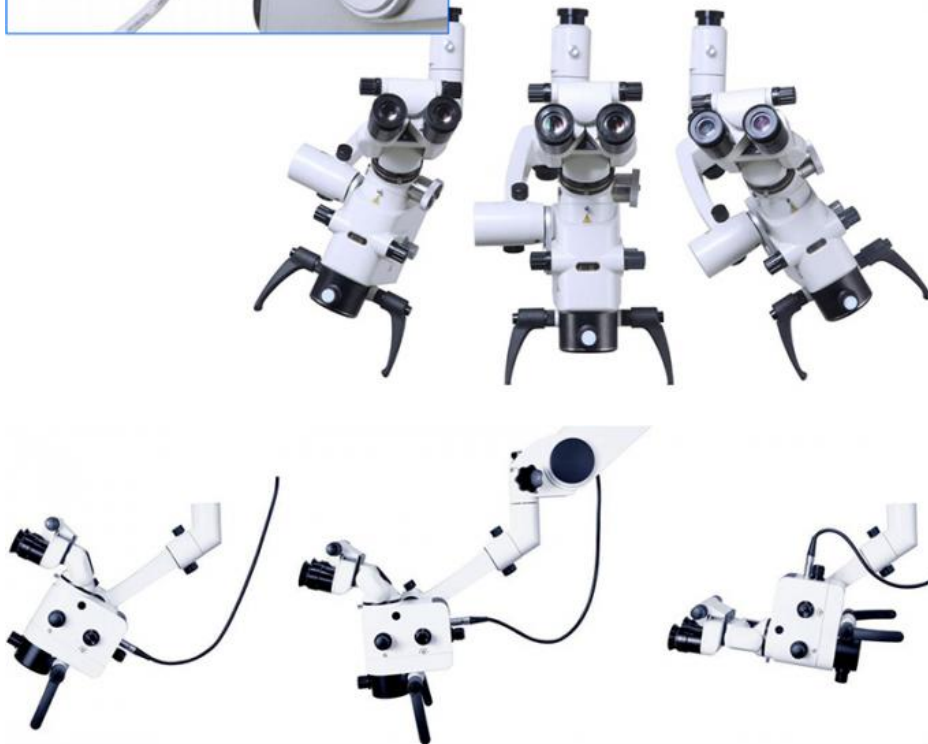
In the condition that the eyepiece is at the same level, the doctor's sitting posture is constant, and the main mirror can swing right and left to observe different positions.





#### 120° Super Balancing Arm

Smooth, fluid and perfect balance during repositioning of the microscope. The head easy to stop at any position



#### LED Light Source

Long life medical LED white light source, high color temperature, high color rendering index, high brightness, high degree of reduction, long time use and no fatigue. Compared with traditional halogen lamp, it is more suitable for Department of Stomatology operation needs. LED energy consumption is low, the service life can be up to 100 thousand hours.





#### Color Filter

Built in yellow and green color, yellow green color, adjust the ordinary paddles through the built-in button, yellow spot can prevent the resin curing fast, green spot can more clearly see the blood vessels under the environment.



#### Packing

Package 3 Cartons, Total G.W  
111Kg, Volume 0.381CBM

#### 4 Kinds Of Head Angle

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#### 0~200° Binocular (For A41.1921)

Ultra Large Angle Flexible Adjustment, It allows the clinician to choose the best angle of posture to create a comfortable and favorable operating environment.  
Suitable For Dental Surgery

## Optional Head With Different Angle Adjustment For Dental / ENT Surgery



### 30~90° Binocular

Angle adjustable, Suitable for Dental surgery



### 45° Binocular

Fixed Angle Binocular, Suitable for Dental surgery



### 90° Binocular

Fixed Angle Binocular, Suitable for ENT surgery

## A41.1921 Details

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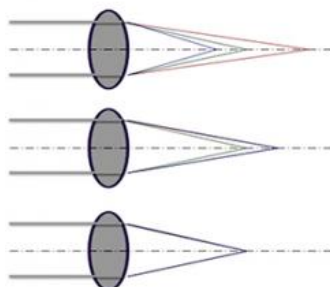
### Multilayer Coating Technology, The Light Transmittance Is Up To 98%

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%.



### WF12.5X High Point Eyepiece

The unique design of the optical system, convenient for doctors with glasses.

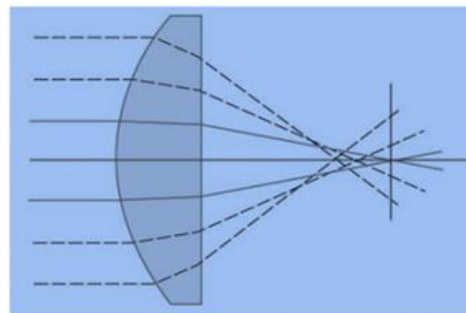
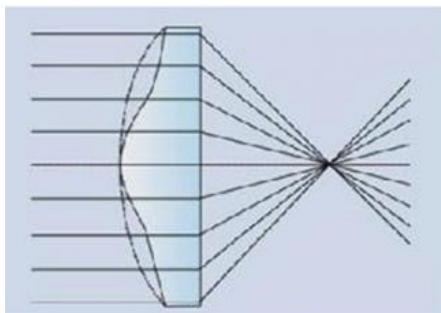


### Complex Achromatic Objective Lens

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.







### Camera System

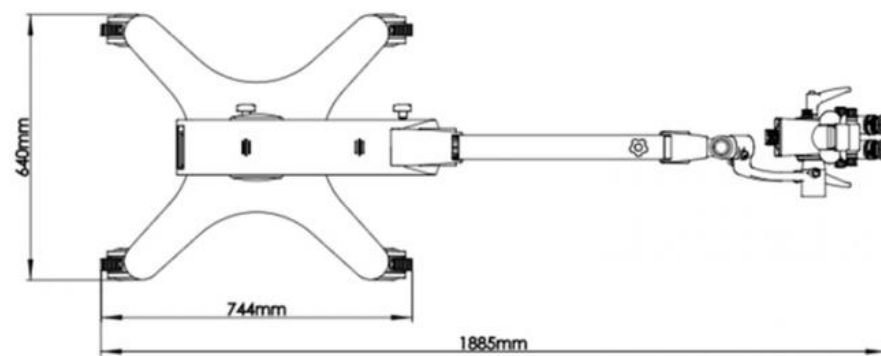
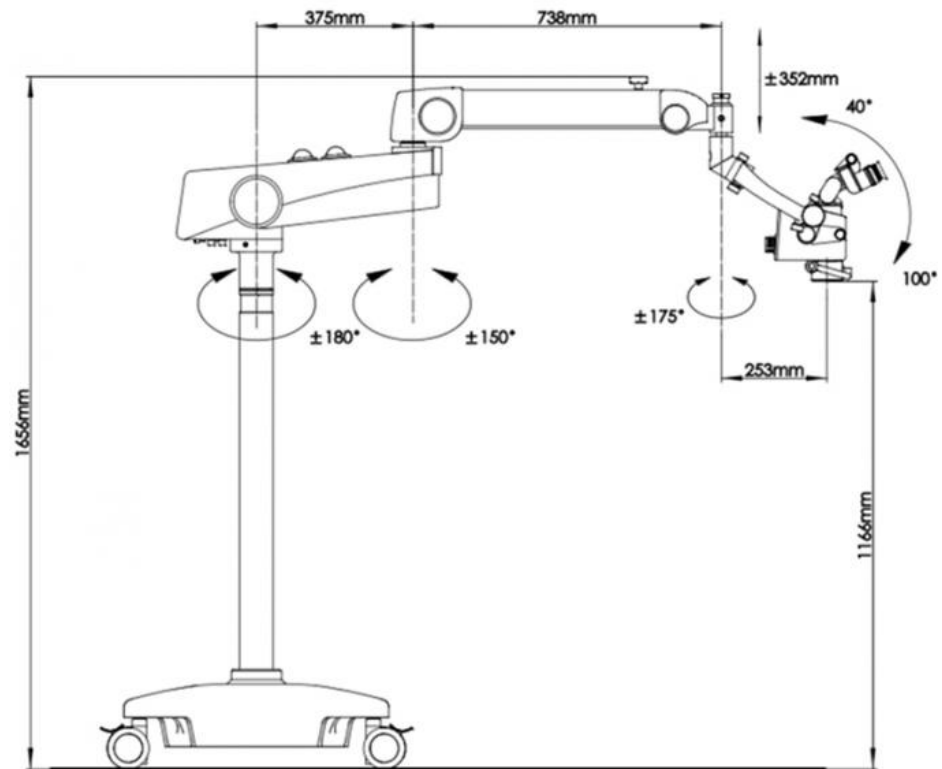
Configure the wireless mouse operation, without the computer, free access to high definition images. The product interface is rich, HDMI and USB are synchronously output, high speed SD cards are photographed or recorded video. At the same time, it has the same screen image contrast, HDR (wide dynamic), image freezing, image inversion, digital amplification and other functions. It is widely used in video conferencing, telemedicine, micrograph, video projection and other fields.



A41.1921













A41.1925



# A41.19 Series Model & Selection Guide

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Picture	Model	Magnification	Head & C-Mount	Standard Objective	Optional Objective	Optional	Light Source	Control	Package	Application
	<b>A41.1921</b>	6 Steps, 2.7x, 4.5x, 7.2x, 10.8x, 18x, 27x	One Head 0°~200°	F=250mm	F=175mm F=200mm F=300mm F=350mm F=400mm F=450mm F=180~300mm F=200~500mm	Assistant Head Beam Splitter SLR Adapter Phone Holder CCD Adapter	LED 60000 lux	Manual	3 Cartons, Total G.W 111Kg, Volume 0.381CBM	ENT Dental
	<b>A41.1926</b>	2.5x~21x	One Head 0°~200°	F=250mm	F=175mm F=200mm F=300mm F=350mm F=400mm F=450mm F=180~300mm F=200~500mm	Assistant Head Beam Splitter SLR Adapter Phone Holder CCD Adapter	LED 60000 lux	Manual	3 Cartons, Total G.W 111Kg, Volume 0.381CBM	ENT Dental
	<b>A41.1931</b>	3 Steps, 6x, 10x, 16x	Dual Head 90° 45°+45°	F=200mm	F=175mm F=250mm F=300mm F=350mm F=400mm F=450mm	Beam Splitter SLR Adapter Phone Holder CCD Adapter	Halogen 60000 lux	2 Function Foot Switch Z (Focus)	3 Cartons, Total G.W 104Kg, Volume 0.346CBM	Ophthalmology Fundus Surgery
	<b>A41.1932</b>	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	Halogen 60000 lux	6 Function Foot Switch X/Y/Z	3 Cartons, Total G.W 104Kg, Volume 0.346CBM	Ophthalmology Fundus Surgery
	<b>A41.1935</b>	Motor Zoom 4.5x~27.3x	Dual Head 30°~90°+45°	F=200mm	F=175mm F=250mm F=300mm F=350mm F=400mm F=450mm	Beam Splitter SLR Adapter Phone Holder CCD Adapter	Halogen Dual Fiber 100000 lux	8 Function Foot Switch X/Y/Z/Zoom	4 Cartons, Total G.W 165Kg, Volume 0.45CBM	Ophthalmology Fundus Surgery
	<b>A41.1941</b>	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	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
	<b>A41.1942</b>	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	Halogen 60000 lux	6 Function Foot Switch X/Y/Z	3 Cartons, Total G.W 104Kg, Volume 0.346CBM	Orthopedics, Plastic Surgery, Hand Surgery, Thoracic Surgery
	<b>A41.1945</b>	Motor Zoom 4x~24x	Dual Head 30°~90°+45°	F=200mm	F=175mm F=250mm F=300mm F=350mm F=400mm F=450mm	Beam Splitter SLR Adapter Phone Holder CCD Adapter	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
	<b>A41.1950</b>	Motor Zoom 3x~16x	Dual Head 30°~90°+0° Beam Splitter	F=300mm Or F=250mm	F=175mm F=200mm F=250mm F=300mm F=350mm F=350mm F=350mm F=450mm	SLR Adapter Phone Holder CCD Adapter	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
	<b>A41.1951</b>	1.8x~21x	Dual Head 0°~200°+0° Beam Splitter Built-in CCD Software	Built-in F=200~450mm	/	SLR Adapter Phone Holder	LED +Halogen Dual Fiber 100000 lux	12 Function Handle X/Y/Z/Zoom Auto Focus XY Pendulum Photo/Video Brightness	4 Cartons, Total G.W 169Kg, Volume 0.45CBM	Neurosurgery Brain Surgery Dental ENT

## A41.19 Series Optional Accessories

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Optional Accessories			Optional For	Cata. No
Objective		F=175mm	A41.192x Series 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	A52.1941-180300
		F=200-500mm	A41.192x Series	A52.1941-200500
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	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, 250W	A41.193x Series A41.194x Series A41.195x Series	A56.4844
BIOM System Kit		For Fundus Surgery, Splitter+Holder+130°+90° Lens, Mounting Kits For Zeiss, Leica, Topcon	A41.193x Series	A55.1931



Opto-Edu (Beijing) Co., Ltd.

0086 13911110627

sale@optoedu.com

cnoec.com

F-1501 Wanda Plaza, No. 18 Shijingshan Road, Beijing 100043, China