

ENDOSCOPES



COMPANY PROFILE

Shenyang shenda endoscope co., ltd was established in the 1980s. Our company is the pioneer and manufacturer of medical rigid endoscopes in China. After more than 30 years unremitting efforts, manifold endoscopes and instruments, specially the creative curved hysteroscopes, are widely being used in clinical diagnosis and minimally invasive operation. Shenda has products in urology, gynecology, ENT, anus-enterology, orthopaedics, laparosurgery and the domain of industrial production. It's our principle in business "High quality, reasonable price, value demand of customers". We are actively doing cooperation with many friends throughout the world. We have contributed to the furtherance of dissemination and development of minimally invasive operation.

Development

- Shenda company always have high regard for exploitation and development of products. The first optical fiber style cystoscope, arthroscope, resectoscope were born in shenda company. The flexible endoscope protection system which can avoid iatrogenic cross infection is reinstituted in the world by shenda company. It is a huge progress of endoscope technology.
- At present, we have more than 1000 kinds of products. They are used in minimally invasive operation in urology, gynecology, ENT, anus-enterology, orthopaedics and laparosurgery. In recent years, shenda received the endoscope as our preponderant products. Large scale production of endoscope has brought satisfactory effect.

Technique and production

- Our company has complete professional technical teams in the fields of optics, mechanics, electrics equipment, quality management, standardization and so on. We can do and design optics system, full set of products and the design of electric equipment production. In addition, our company has a consultant which has many famous medical experts in our country.
- We use optics material, optical fiber, metal and nonmetal material. The processing of the components realizes digital machining and ensures the property and quality.
- In recent years, we strengthen the contact with domestic and overseas markets, and the domestic and foreign and optics companies are satisfied with the large amount of the lenses we produced for them. This helps domestic endoscopes and optics components to go out of our country, and increases our status in the domestic endoscope market.
- Our company can design and produce various kinds of special endoscopes according to the needs of the customers.

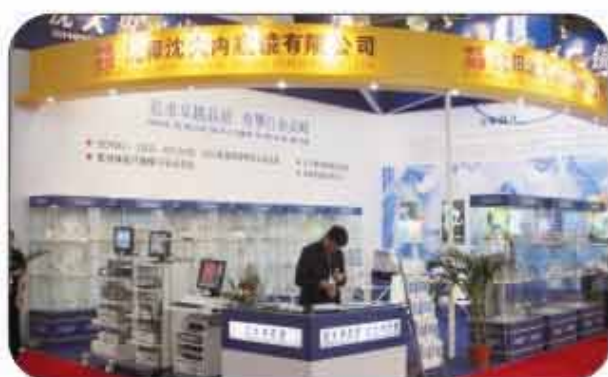
Quality and Sales

- Our company has complete quality management system. We passed the ISO9001 : 2008 and ISO 13485 : 2012 quality management system and gained CE certificate.
- Our company sets perfect service and commercial network in order to provide high cost performance products for customers and ensure the after sale service.

Honor

Our company has gained more than 40 patents in different countries, including Chinese patent of invention and practical new patent, Japanese patent, Spanish patent and has passed PCT international patent application, and we will get the proprietary intellectual property rights of America, European Union and so on. The rod lens process method has been used in many companies in our country. Our products got more than 20 prizes of our country. The cysto-urethroscope NP-1, open laparoscope KF-1 and hysteroscope XG-5 are national new products.

- We awarded Liaoning high and new technology company in 1990.
- We became the member of Chinese medical apparatus and instruments association in 1996.
- "Shenda" Brand Endoscope got top ten of medical apparatus and instruments industry in 1998.
- We became the membership of Chinese science and technology industrialization seminar in 2001.
- We awarded top-50 private science and technology enterprise of Shenyang in 2003.
- We got the program of promoting business by applying scientific and technological advances in 2005.
- Plasma resectoscope got the support of national science and technology innovation fund in 2006.



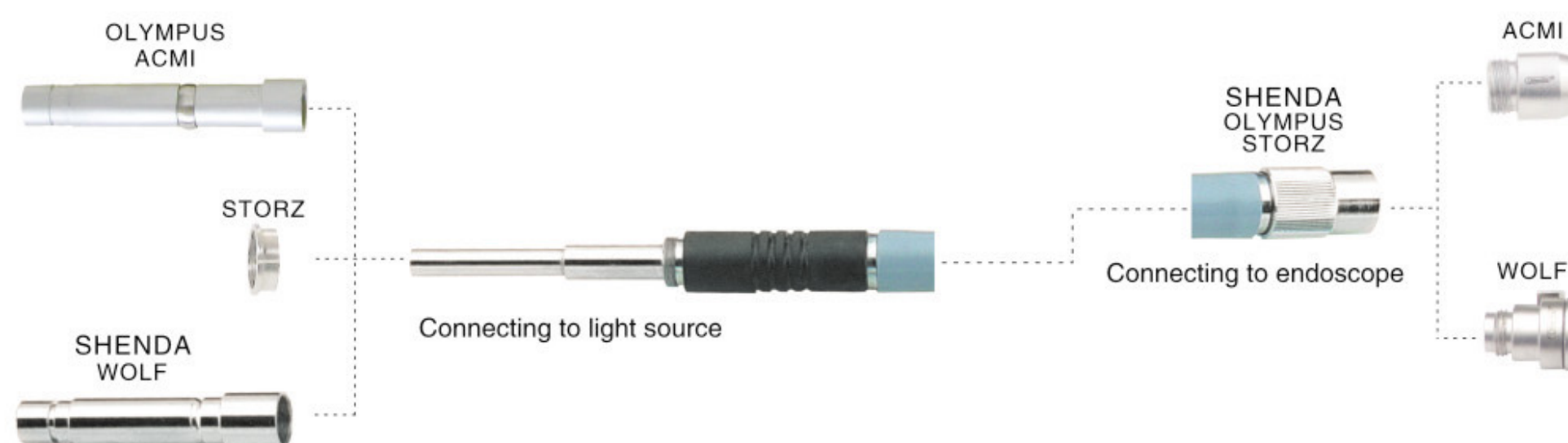
Code of endoscope

	Endoscopes	Autoclavable endoscope
	J□□□□ G or CG G: wide angle, CG: wider angle Code(English letter) Angle of view direction (Arabic numerals) kinds of endoscopes(Arabic numerals)	Autoclave 134° C/273° F

Mark of color code

	 0° / 5°	 12°	 30° / 25° 22°	 45° / 90°	 70°	 110°
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How to connect the light cable



The picture is only for reference. Please refer to the real object.

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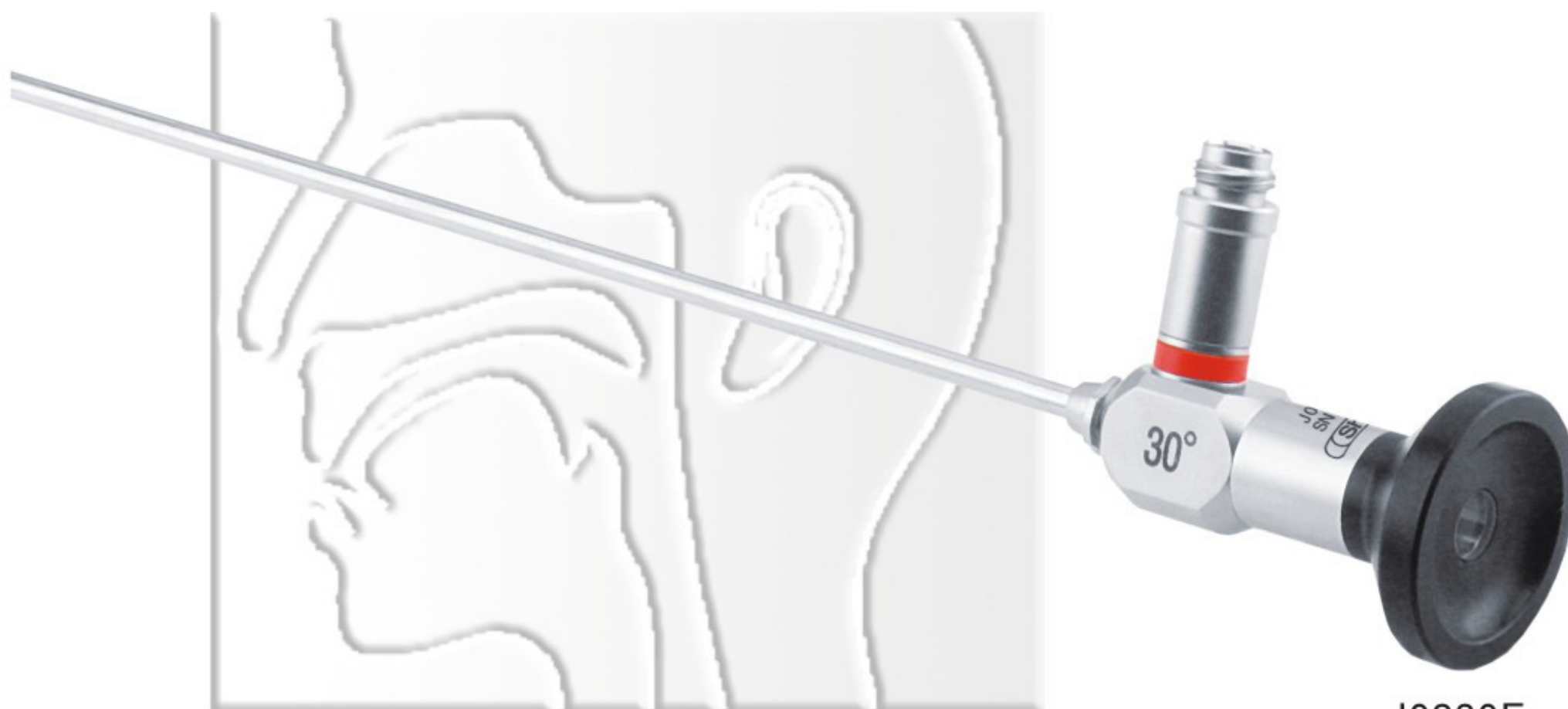


ENT

ENT

Sinuscope BD-1

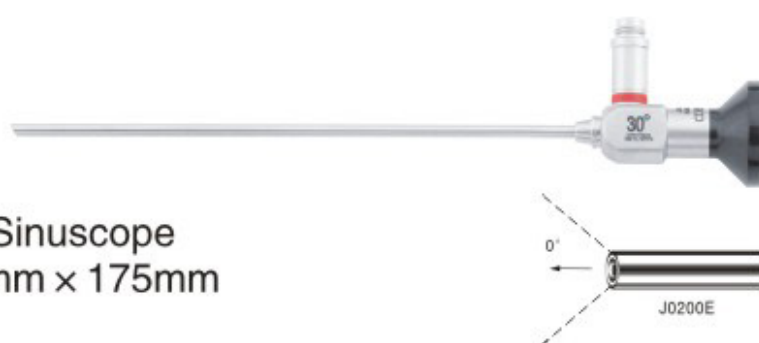
- ◆ Endoscope adopts imported stainless steel material
- ◆ Endoscope adopts German optic glass, light fiber and light cone
- ◆ Adopt the patented technology of rod optical lens, clear field of view
- ◆ With direction index, sapphire lens cover never abrasion
- ◆ The autoclavable endoscope can be chosen
- ◆ The operation instruments adopt imported stainless steel material, no coating, good anti-corrosion function, low temperature plasma sterilization can be used



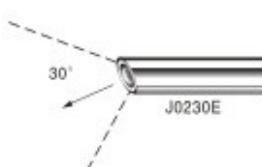
J0230E

Endoscope

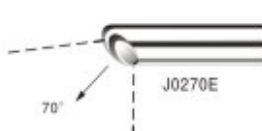
J0200E 0° Sinuscope
φ 4mm × 175mm



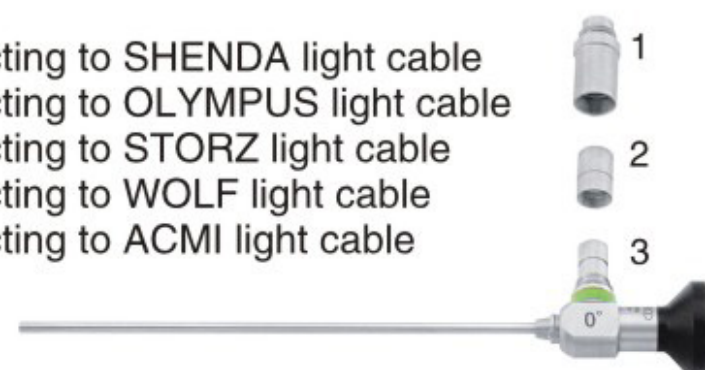
J0230E 30° Sinuscope
φ 4mm × 175mm



J0270E 70° Sinuscope
φ 4mm × 175mm



1. Connecting to SHENDA light cable
- Connecting to OLYMPUS light cable
- Connecting to STORZ light cable
2. Connecting to WOLF light cable
3. Connecting to ACMI light cable



Mucosal scissors



B5301 Mucosal scissors, straight



B5302 Mucosal scissors, left curved



B5303 Mucosal scissors, right curved



Forceps



B5042 0° Biopsy forceps



B5040 Biopsy forceps, 30° up curved



B5041 Biopsy forceps, 45° up curved



B5043 Grain-shape biopsy forceps



B5004A 90° Biopsy forceps, up



B5006 Rongeur forceps, backward



B5001 Rongeur forceps, forward



B5012 Grasping forceps slim serrated



Holder, Trocar cannula, Trocar

U8521 Holder



B4550 Trocar cannula
φ 5.2mm × 95mm



B4551 Trocar
φ 4.6mm × 108mm



Rigid biopsy forceps



B5002C 0° Rigid biopsy forceps



Forceps

B5045 0° Cutting forceps



B5044 Cutting forceps, 30° up curved



B5010 100° Two-cup biopsy forceps



B5022 70° Double-action biopsy forceps, vertical



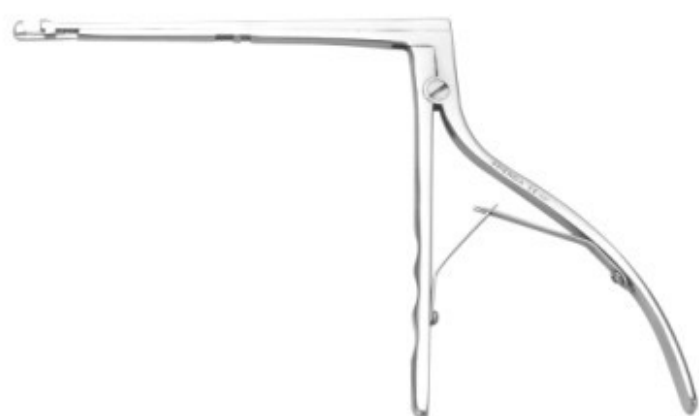
B5053 45° Biopsy forceps (with suction tube)



B5056 0° Biopsy forceps (with suction tube)



Maxillary uncorking forceps



B5055 Maxillary uncorking forceps



Mucosal knife, Curette, Double dividing instrument



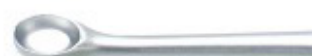
B5402 Obtuse mucosal knife



B5401 Acute mucosal knife



B5915 Long ball curette



B5914 Long ball curette



B5910 Ball curette



B5916 Double dividing instrument



Suction tube, Light cable

B4414 Suction tube, curved
φ 2.5mm

B4401b Suction tube, curved
φ 3mm



B4411 Suction tube, curved
φ 4mm x 155mm

B4403a Suction tube, curved
φ 3mm x 155mm

B4402 Suction tube, curved
φ 2.5mm x 155mm



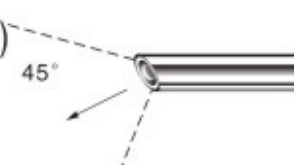
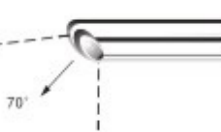
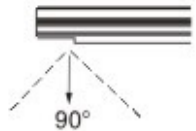
U8724 Light cable
Φ 4mm x 2m

U8724C Light cable
Φ 4mm x 3m 1 2

1. Connecting to SHENDA fountain
Connecting to WOLF fountain
2. Connecting to STORZ fountain



Accessories of sinuscope (Endoscope)

J0200G	0° Sinuscope(angle of field: 90°) φ 4mm × 175mm	
J0200CG	0° Sinuscope(angle of field: 110°) φ 4mm × 175mm	
J1200	0° Sinuscope φ 3mm × 175mm	
J2200	0° Sinuscope φ 2.7mm × 175mm	
J0212	12° Sinuscope φ 4mm × 175mm	
J0230G	30° Sinuscope (angle of field: 90°) φ 4mm × 175mm	
J0230CG	30° Sinuscope (angle of field: 110°) φ 4mm × 175mm	
J1230	30° Sinuscope φ 3mm × 175mm	
J2230	30° Sinuscope φ 2.7mm × 175mm	
J0245G	45° Sinuscope (angle of field: 90°) φ 4mm × 175mm	
J0245E	45° Sinuscope φ 4mm × 175mm	
J0270G	70° Sinuscope (angle of field: 90°) φ 4mm × 175mm	
J0270CG	70° Sinuscope (angle of field: 110°) φ 4mm × 175mm	
J1270	70° Sinuscope φ 3mm × 175mm	
J2270	70° Sinuscope φ 2.7mm × 175mm	
J0290E	90° Sinuscope φ 4mm × 175mm	
J02110C	110° Sinuscope φ 4mm × 175mm	

Accessories of sinuscope (rhinal forceps, rhinal cutting forceps)

B5056.1	Rhinal forceps left curved,small head	
B5056.2	Rhinal forceps right curved,small head	
B5056.3	Rhinal forceps 110° butterfly head	
B5002.1	Rhinal cutting forceps 0° cusp,small head	
B5004.1	Rhinal cutting forceps 30° cusp,small head	
B5003.1	Rhinal cutting forceps 45° cusp,small head	
B5002.2	Rhinal cutting forceps 0° orbicular,big head	
B5002.3	Rhinal cutting forceps 0° orbicular,small head	
B5004.2	Rhinal cutting forceps 30° orbicular,big head	
B5004.3	Rhinal cutting forceps 30° orbicular,small head	
B5003.2	Rhinal cutting forceps 45° orbicular,big head	
B5003.3	Rhinal cutting forceps 45° orbicular,small head	
B5004.4	Rhinal cutting forceps 30° cusp,big head	
B5002.4	Rhinal cutting forceps 0° cusp,big head	

Accessories of sinuscope (rhinal foreign body forceps)



B5025.1 Rhinal foreign body forceps
110mm, without hook



B5025.2 Rhinal foreign body forceps
110mm, with hook

Accessories of sinuscope (rhinal forceps)



B5057.1 Rhinal forceps
0° ,105mm,with suction

B5057.2 Rhinal forceps
45° ,105mm,with suction



B5057.3 Rhinal forceps
90° ,105mm,with suction

Accessories of sinuscope (sinus grasping forceps)



B5012.1 Sinus grasping forceps
90° curved,backwards 120°



Accessories of sinuscope (sinus grasping forceps)

B5012.2 Sinus grasping forceps
downwards 115°



B5012.3 Sinus grasping forceps
upwards 90° ,backwards 120°



B5012.4 Sinus grasping forceps
upwards 115°



Accessories of sinuscope (forceps)

B5063.1 Forceps
flat head, pushrod



B5063.2 Forceps
tilted head, pushrod



B5064.1 Forceps
pointed head, pushrod, big head



B5064.2 Forceps
pointed head, pushrod, small head

Accessories of sinuscope (Rongeur forceps)

B5014.1 Rongeur forceps



Accessories of sinuscope (antrum highmori Rongeur forceps)

B5059.1 Antrum highmori hemostasia forceps with teeth



Accessories of sinuscope (nasopharynx biopsy forceps)

B5006.1 Antrum highmori rongeur forceps straight,upwards



B5006.2 Antrum highmori rongeur forceps straight,downwards



B5007.1 Antrum highmori rongeur forceps 45° ,upwards



B5007.2 Antrum highmori rongeur forceps 45° ,downwards



B5008.1 Rongeur forceps, backward left hatch



B5008.2 Rongeur forceps, backward right hatch



B5009.1 Nasopharynx biopsy forceps 180mm pushrod, straight



B5010.1 Nasopharynx biopsy forceps 180mm pushrod, curved



Accessories of sinuscope (nasal shell scissors)

B5304.1 Nasal shell scissors 12.5cm gun type



B5304.2 Nasal shell scissors 11cm gun type



Accessories of sinuscope (nasal septum Rongeur forceps)

B5014.2 Nasal septum rongeur forceps



Accessories of sinuscope (sinus currette)

B5917.1 Sinus currette
0° ,with hole,big head



B5917.2 Sinus currette
0° ,with hole,medium head



B5917.3 Sinus currette
0° ,with hole,small head



B5918.1 Sinus currette
15° ,with hole,big head



B5918.2 Sinus currette
15° ,with hole,medium head



B5918.3 Sinus currette
15° ,with hole,small head



B5913.1 Sinus currette
30° ,with hole,big head



B5913.2 Sinus currette
30° ,with hole,medium head



B5913.3 Sinus currette
30° ,with hole,small head



B5914.1 Sinus currette
45° ,with hole,big head



B5914.2 Sinus currette
45° ,with hole,medium head



B5914.3 Sinus currette
45° ,with hole,small head



B5915.1 Sinus currette
90° ,with hole,big head



B5915.2 Sinus currette
90° ,with hole,medium head



B5915.3 Sinus currette
90° ,with hole,small head



Accessories of sinuscope (currette)

B5910.1 Currette
without hook,big head



B5910.2 Currette
without hook,medium head



B5910.3 Currette
without hook,small head



Accessories of sinuscope (nasal septum knife)

B5401.1 Nasal septum knife
5mm,straight



B5401.2 Nasal septum knife
4mm,straight



B5401.3 Nasal septum knife
3mm,straight



B5402.1 Nasal septum knife
5mm Gun type



B5402.2 Nasal septum knife
4mm Gun type



B5402.3 Nasal septum knife
3mm Gun type



Accessories of sinuscope (nasal bone chisel)

B5920.1 Nasal bone chisel
6mm,double protection



B5920.2 Nasal bone chisel
6mm,left protection



B5920.3 Nasal bone chisel
6mm,right protection



B5921.1 Nasal bone chisel
8mm,double protection



B5921.2 Nasal bone chisel
8mm,left protection



B5921.3 Nasal bone chisel
8mm,right protection



B5922.1 Nasal bone chisel
curved



B5922.2 Nasal bone chisel
semi-circle



Accessories of sinuscope (nasal septum chisel)

B5923.1 Nasal septum chisel
straight,big head



B5923.2 Nasal septum chisel
straight,medium head



B5923.3 Nasal septum chisel
straight,small head



B5924.1 Nasal septum chisel
big head



B5924.2 Nasal septum chisel
medium head



B5924.3 Nasal septum chisel
small head



Accessories of sinuscope (nasal bone repositor, nasal mucosa knife)

B5926.1 Nasal bone repositor
double head



B5405.1 Nasal mucosa knife
single head



Accessories of sinuscope (nasal septum dividing instrument, nasal periosteum dividing instrument)

B5916.1 Nasal septum dividing instrument
0°



B5916.2 Nasal septum dividing instrument
15°



B5916.3 Nasal septum dividing instrument
30°



B5919.1 Nasal septum dividing instrument
orbicular



B5919.2 Nasal septum dividing instrument
double head



B5919.3 Nasal septum dividing instrument
upwards 90°



B5919.4 Nasal septum dividing instrument
upwards 45°



B5919.5 Nasal periosteum dividing instrument
curved



Accessories of sinuscope (antrum highmori trocar, sinus probe)

B5925.1 Antrum highmori trocar



B5927.1 Sinus probe



Accessories of sinuscope (antrum highmori suction tube, straight suction tube)

B4404.1 Antrum highmori suction tube
φ 2.5mm



B4404.2 Antrum highmori suction tube
φ 2.5mm, straight



B4407.1 Antrum highmori suction tube
φ 4mm



B4403.1 Straight suction tube
φ 3mm

B4403.2 Straight suction tube
φ 4mm

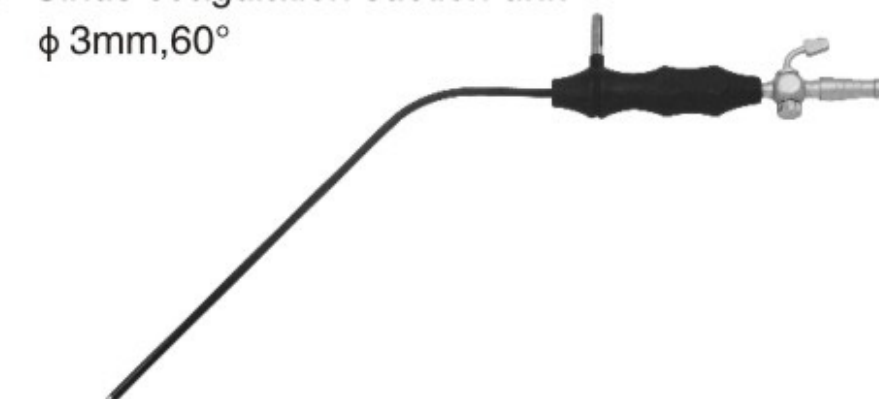


Accessories of sinuscope (sinus coagulation suction unit)

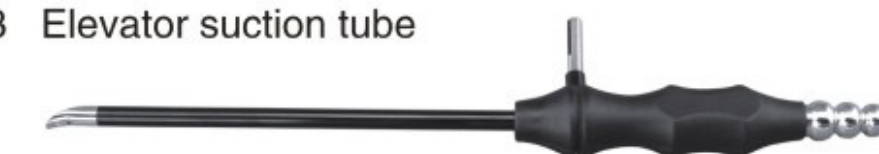
B4401.1 Sinus coagulation suction unit
φ 3mm, 0°



B4401.2 Sinus coagulation suction unit
φ 3mm, 60°



BW4413 Elevator suction tube



Sinus tissue forceps

BW5001 Sinus tissue forceps
0°



BW5002 Sinus tissue forceps, 70°
(left&right)



BW5003 Sinus tissue forceps (left)



BW5004 Sinus tissue forceps (right)



Accessories of sinuscope(nasal tissue forceps,rongeur forceps)

BW5005 Nasal tissue forceps
(30° large)



BW5006 Nasal tissue forceps
(0° large)



BW5007 Nasal tissue forceps (right)



BW5008 Nasal tissue forceps (left)



BW5011 Rongeur forceps
(30° small pointed head)



BW5012 Rongeur forceps
(90° big blunt head)



BW5013 Rongeur forceps
(45° small blunt head)



BW5014 Rongeur forceps
(30° small blunt head)



BW5015 Rongeur forceps
(45° big blunt head)



BW5016 Rongeur forceps
(30° pointed head)



BW5017 Rongeur forceps
(45° pointed head)



BW5018 Nasal cutting forceps (0°)



Nasal bone chilse

BW5901 Nasal bone chilse
φ 5mm



BW5902 Nasal bone chilse
φ 3mm



BW5903 Nasal bone chilse(half-round)
φ 3mm



BW5904 Nasal bone chilse(half-round)
φ 4mm



BW5905 Nasal bone chilse(half-round)
φ 5mm



BW5906 Nasal bone chilse(gun-type)
3mm



BW5907 Nasal bone chilse(gun-type)
4mm



BW5908 Nasal bone chilse(gun-typed)
5mm



Suction tube

BW5909 Dividing instrument with suction
φ 3mm



BW5910 Dividing instrument with suction
φ 4mm

BW4401 Suction tube
φ 2.5mm

BW4402 Suction tube
φ 3mm

BW4403 Suction tube
φ 4mm

BW4404 Suction tube for treatment table
(peanut connector) φ 4mm

BW4405 Suction tube for treatment table
(peanut connector) φ 3mm

BW4406 Suction tube for treatment table
(peanut connector) φ 2.5mm

BW4407 Suction tube for treatment table
(long connector) φ 4mm

BW4408 Suction tube for treatment table
(long connector) φ 3mm

BW4409 Suction tube for treatment table
(long connector) φ 2.5mm

BW4410 Maxillary suction tube
φ 4mm

BW4411 Maxillary suction tube
φ 3mm

BW4412 Maxillary suction tube
φ 2.5mm

Nasal bone hammer

BW5911 Nasal bone hammer



Accessories of sinuscope(forceps)

BW5019 Rongeur forceps,backward
(down curved)



BW5020 Sphenoidal sinus rongeur
(60° rotatable)3.5mm



BW5021 Sphenoidal sinus rongeur
(90° rotatable)4mm



BW5025 Enlarge forceps 20°



BW5023 Nasal bone resetting forceps



BW5024 Polyp forceps



BW5022 Rongeur forceps,backward
(360° rotatable)



Laryngoscope HJ-1

J2670 70° Laryngoscope
Φ8mm × 184mm

J2670A 70° Laryngoscope
Φ6mm × 184mm

J2670B 70° Laryngoscope
Φ10mm × 185mm

J2670R 70° Laryngoscope (with handle)
Φ8mm × 185mm

J2670AR 70° Laryngoscope (with handle)
Φ6mm × 185mm

J2690 90° Laryngoscope
Φ8mm × 179mm

J2690A 90° Laryngoscope
Φ6mm × 179mm

J2690R 90° Laryngoscope (with handle)
Φ8mm × 180mm

J2690AR 90° Laryngoscope (with handle)
Φ6mm × 180mm

J2790 90° Laryngoscope
Φ10mm × 185mm



Otoscope EJ-1

J0900A 0° Otoscope
Φ4mm × 50mm

J0900D 0° Otoscope
Φ4mm × 90mm

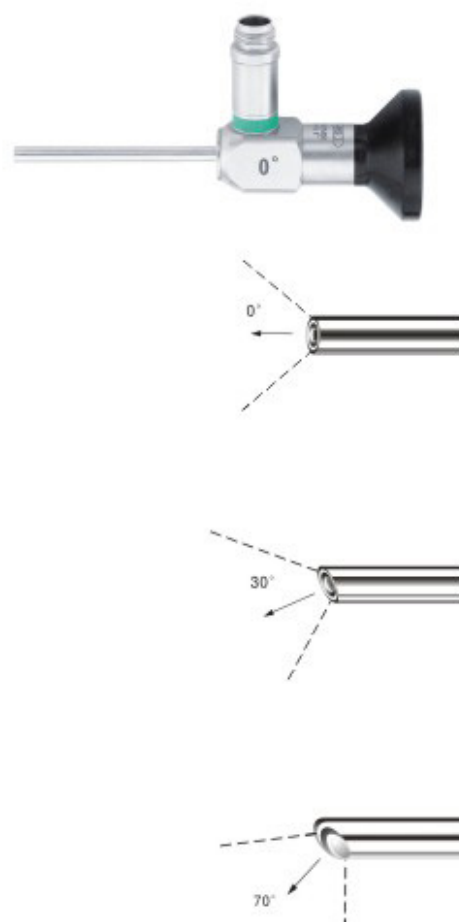
J0900C 0° Otoscope
Φ4mm × 110mm

J0930D 30° Otoscope
Φ4mm × 90mm

J0930C 30° Otoscope
Φ4mm × 110mm

J0970D 70° Otoscope
Φ4mm × 90mm

J0970C 70° Otoscope
Φ4mm × 110mm



Otoscope EJ-2

J1900B 0° Otoscope
Φ3mm × 60mm

J1900A 0° Otoscope
Φ3mm × 90mm

J1900C1 0° Otoscope
Φ3mm × 110mm

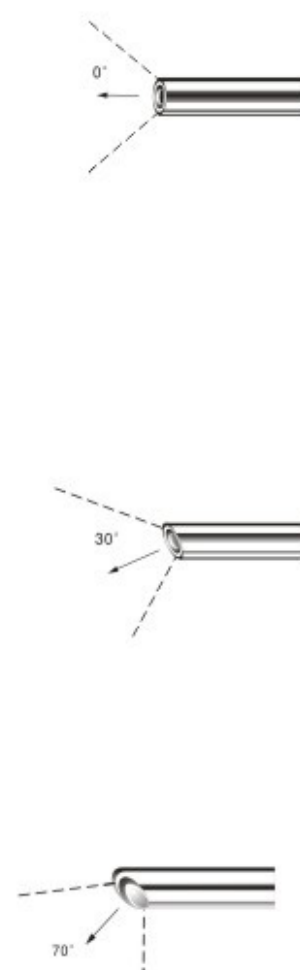
J1900N4 0° Otoscope
Φ3mm × 130mm

J1930A 30° Otoscope
Φ3mm × 90mm

J1930C1 30° Otoscope
Φ3mm × 110mm

J1930N4 30° Otoscope
Φ3mm × 130mm

J1970C1 70° Otoscope
Φ3mm × 110mm



Otoscope EJ-3

J2900A 0° Otoscope
Φ2.7mm × 90mm

J2900C 0° Otoscope
Φ2.7mm × 110mm

J2900D1 0° Otoscope
Φ2.7mm × 50mm

J2900D 0° Otoscope
Φ2.7mm × 60mm

J2930A 30° Otoscope
Φ2.7mm × 90mm

J2930C 30° Otoscope
Φ2.7mm × 110mm

J2930D1 30° Otoscope
Φ2.7mm × 50mm

J2970A 70° Otoscope
Φ2.7mm × 90mm

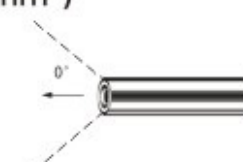
J2970C 70° Otoscope
Φ2.7mm × 110mm

J2970D1 70° Otoscope
Φ2.7mm × 50mm



Otoscope EJ-4

J2900 0° Otoscope (operating aperture: Φ2mm)
Φ5.5mm × 20mm × 90mm



Operating Laryngoscope HZ-1

- ◆ Endoscope adopts imported stainless steel material
- ◆ Endoscope adopts German optic glass, light fiber and light cone
- ◆ Adopt the patented technology of rod optical lens, clear field of view
- ◆ With direction index, sapphire lens cover never abrasion
- ◆ The autoclavable endoscope & low temperature plasma sterilization endoscope can be chosen
- ◆ The operation instruments adopt imported stainless steel material, no coating, good anti-corrosion function
- ◆ Operation can be made with or without the endoscope



JY2612B
U8531

Endoscope

JY2612B 12° Laryngoscope
φ 4.8mm × 183mm



Biopsy forceps, Foreign body forcep, Ministraight scissors

H5015 45° Ball biopsy forceps (left curved)
φ 2.4mm × 230mm



H5021 45° Flat ball head biopsy forceps
(right curved)
φ 2.4mm × 230mm



H5016 40° Flat ball head biopsy forceps
(big)
φ 3.4mm × 230mm



H5019 40° Flat ball head biopsy forceps (medium)
φ 2.4mm × 230mm

H5020 40° Flat ball head biopsy forceps (small)
φ 2.4mm × 230mm

H5012 Foreign body forceps (with teeth)
φ 2.4mm × 230mm



H5311 Ministraight scissors
φ 2.4mm × 230mm



Throat knife, Throat needle, Throat hook, Handle

H5411 Throat knife
φ 2mm × 250mm



H5911 Throat needle
φ 2mm × 250mm



H5912 Throat hook
φ 2mm × 250mm



T7703 Handle



Suction tube, Light cable

H4402 Suction tube
φ 2.5mm × 250mm

H4403 Suction tube
φ 3mm × 250mm

H4404 Suction tube
φ 4mm × 250mm

U8724 Light cable
Φ 4mm × 2m

U8724C Light cable
Φ 4mm × 3m 1 2

1. Connecting to SHENDA fountain
Connecting to WOLF fountain
2. Connecting to STORZ fountain



Blade and handle, Chest support

U8530 Blade and handle
50Fr × 170mm



U8531 Blade and handle (with endoscope)
50Fr × 190mm



U8520 Chest support
φ 80mm × 390mm



Biopsy forceps

H5010 Ball biopsy forceps
φ 2.4mm × 230mm



H5011 45° Ball biopsy forceps
φ 2.4mm × 230mm



H5014 0° Ball biopsy forceps (left curved)
φ 2.4mm × 230mm



H5017 0° Ball biopsy forceps (right curved)
φ 2.4mm × 230mm



H5013 5° Long ball biopsy forceps
φ 2.4mm × 230mm



H5018 40° Ball biopsy forceps
φ 2.4mm × 230mm



High intensity cold light source



U9111 GL 350-5
High intensity cold light source

- ◆ Adopt the xenon lamp as the main light, increase the stability of the facility.
- ◆ Adopt the sphere high pressure short arc xenon lamp as the light, with high brightness, pure light color temperature, good color recovering.
- ◆ Adopt the PWM electrical source to provide electric, which has the characteristics of high power efficiency, good energy-saving effect, stable output electric, and these prolong the life of light source.
- ◆ The brightness is adjustable, the round rotation switch in the front panel can control the strength of the output light, simple and convenient to use.
- ◆ Illumination > 2000000LX
- ◆ Power consumption < 500W
- ◆ Colour temperature: 5500K

High intensity cold light source



U9112 GL 350-5A
High intensity cold light source

- ◆ Adopt 350W xenon lamp + 250W halogen lamp, guarantee the inspection and operation going successfully.
- ◆ Adopt the high pressure short arc xenon lamp as the light, with high brightness, pure light color temperature, good color recovering.
- ◆ The brightness is adjustable, the transform of two lamps and strength of the output light can be controlled by the switch in front panel, simple and convenient to use.
- ◆ Adopt the PWM electrical source to provide electric, which has the characteristics of high power efficiency, good energy-saving effect, stable output electric, and these prolong the life of light source.
- ◆ Colour temperature: Main lamp: 5500k, Spare lamp: 3200k
- ◆ Illumination: Main lamp > 2000000LX, Spare lamp ≥ 1800000LX

Medical cold light source



U9125 YG-250
Medical cold light source

- ◆ The light source adopts double-lamp, double output structure. The spare light can be used when the main light does not work, guarantee the inspection and operation going successfully.
- ◆ Adopt the double-halogen lamps as the light, which has the characteristics of high power efficiency, good energy-saving effect, stable output electric, and these prolong the life of light source.
- ◆ Adopt the PWM electrical source to provide electric, which has the characteristics of power efficiency, good energy saving effect, stable output electric, and this prolongs the life of light source.
- ◆ The brightness is adjustable, the transform of two lamps and strength of the output light can be controlled by the switch in front panel, simple and convenient to use.
- ◆ Illumination ≥ 1800000LX
- ◆ Colour temperature: 3200K

LED Light source



U9111 GL-100L
LED light source

PRODUCT PARAMETER

- ◆ 30W LED Lamp
- ◆ Color temperature: 6500k
- ◆ Illuminance: 500000Lx
- ◆ SNR: < 35 dB
- ◆ Input Power: < 100W

Uteri auto inflate and pressure



U9522 DG-1
Uteri auto inflate and pressure

It is used for gynaecology endoscopy and operation. In order to make the field of view clear, uterus is inflated by gas pressure.

- ◆ Power 220V ± 22V 50Hz ± 1Hz
- ◆ Power rating 30W
- ◆ Pressure range 1Kpa~30Kpa
- ◆ Adjusting step length 1Kpa
- ◆ Setting pressure 1~30Kpa
- ◆ Alarm pressure 30Kpa

HF Electrotome



U9331 YT300 Intelligent HF Electrotome

- Monopolar
 - ◆ Working frequency: 470KHz
 - ◆ Rated load: 500Ω
 - ◆ Power Output: pure electrotomy: 0–350W
 - Compound electrotomy1: 0–250W
 - Compound electrotomy2: 0–250W
 - Powerful coagulation: 0–120W
 - Soft coagulation: 0–100W
- ◆ Power Supply : AC220V, 50Hz
- Bipolar
 - ◆ Working frequency: 410KHz
 - ◆ Rated load: 75Ω
 - ◆ Power Output: bipolar coagulation: 0–100W
 - ◆ Automatic bipolar coagulation: 0–50W

Automatic high flow CO₂ insufflator



U9401 QG-II
Automatic high flow CO₂ insufflator

- ◆ Gas flow and abdominal pressure are controlled by microcomputer technology automatically.
- ◆ Pulse gas supply can be adjusted by setted abdominal pressure and actual abdominal pressure value automatically according to advanced pulse gas supply principle.
- ◆ Gas cylinder pressure, the actual abdominal pressure and air flow are displayed by light beam.
- ◆ With the electrical safety protection system, when the pressure is too high, inflation needle is jammed or gas pressure is insufficient, audible and visual alarm will work.

QG-II

Inlet pressure: 0.28 ~ 0.6MPa
Actual abdominal pressure: 0 ~ 30mmHg
Setted abdominal pressure: 5 ~ 25mmHg
Actual flow: 0 ~ 30L/min
Set flow: 0 ~ 30L/min

Peritoneum cleaner QXQ-1000J



U9421
Peritoneum cleaner QXQ-1000J

Peritoneum Cleaner QXQ-1000J is used for irrigations and suctions of organs in cavity under the laparoscopic surgery in order to make the field of view clear and clean the feculence prevent from pollution and adhesion after the operation

- ◆ The peritoneum cleaner is controlled by computer, adjusted the positive spressure and negative pressure according to the user's demands and shows the value on the screen.
- ◆ It can positive pressure irrigate and negative pressure suck, it can be matched single tube with double channels suction unit (D4403, D4403A) for irrigation and suction and exchange frequently.
- ◆ Washing pressure: 40KPa~70KPa Suction pressure: 30KPa~65KPa.

Perfusion pump for endoscope



U9523 QB-1
Perfusion pump for endoscope

- ◆ The cavity speculum filling pupm QB-1 is an open pressure equipment. It is easy and convenient to clean the liquid in the operation.
- ◆ It takes stepping electrical motor. When the equipment drives. It is steady and makes low noise.
- ◆ Pressure and flow is controlled by computer automatically, when the power is over, the computer will cut off electric source automatically, and when the power recovers, the equipment will be in normal situation. Meanwhile, control equipment is safe and reliable.
- ◆ The range of pressure is 2–53Kpa, the range of flow is 0.1–1L/min. The number is showed on the equipment, and it can adjust the number according to the need.
- ◆ Cavity speculum filling pump QB-1 has the ability of memory. When you open the equipment, it can show the power and flow stated last time.

High definition camera



U9225 High definition camera(HD-668)

PRODUCT FEATURE

- ◆ 1 chip CMOS image sensor achieves digital high definition image
- ◆ 16:9 wide clear picture,excellent display the image
- ◆ With DVI,HD-SDI and various signal outputs interface,compatible with different high-definition monitors
- ◆ Four professional mode settings,meet the needs of different endoscopes
- ◆ Small and light camera head meets the ergonomics design;waterproof grade reaches IPX8

PRODUCT PARAMETER

- | | |
|---|--|
| ◆ Camera head : 1/3" CMOS | ◆ Resolution Rate : 1920(H) × 1080(V) |
| ◆ Outputs : HD-SDI,DVI,Y/C | ◆ Response rate : 2000L × F7(Standard) |
| ◆ SNR : ≥50dB | ◆ White balance : automatic/manual |
| ◆ Automatic gain control : 0~18db | ◆ Automatic shutter : 1/50~1/4000 |
| ◆ Digital zoom : 1-4 times digital zoom | ◆ Weight : camera head :60g |
| ◆ Main body : 1.2kg | |

Colour mini camera (1CCD)



U9226 Colour mini camera
(SD-618 /Luxury type)

PRODUCT PARAMETER

- | | |
|---|---|
| ◆ Major size: 320 × 80 × 350(mm) | ◆ SNR:60 dB |
| ◆ Camera size: Φ32 × 60(mm) | ◆ Shutter:1/60s-1/10,000s |
| ◆ Resolution: PAL | ◆ Signal gain: automatic |
| ◆ Scanning standard: 600 lines | ◆ White balance: automatic/manual |
| ◆ Minimal illumination:0.6 LUX(F1.2) | ◆ Outputs: BNC/ Y/C / RGB /DVI/ USB(optional) |
| ◆ Camera head: 1/3" SONY 1 chip waterproofing camera head | |
| ◆ Extended function:SD Dynamic/Static storage | |

PRODUCT FEATURE

- ◆ Offer different clinical department. Thoracoscopic,Fiber-optic, Cystoscopy,Hysteroscopy, Laparoscopic and ENT etc.
- ◆ Customizing the mode for users. Fulfills the personality needs.
- ◆ Support different languages, Chinese and English.
- ◆ To optimize and process the Moore fringes for the fiber-optic.
- ◆ High image definition, adjust three grades.
- ◆ Image can freeze and save, support SD card dynamic storage.
- ◆ Picture-in-Picture,Four picture display.
- ◆ Completely waterproof camera head, conform to CE highest standard IPX8.
- ◆ Camera head has two edit buttons, can control white balance,image freeze and storage.
- ◆ Different camera head,meet different needs.
- ◆ Specilized software control,when bleeding,the image doesn't become dark.

Colour mini camera (1CCD)



U9224 Colour mini camera
(SD-608/Universality type)

PRODUCT PARAMETER

- | | |
|----------------------------------|-----------------------------------|
| ◆ Major size: 320 × 80 × 350(mm) | ◆ Outputs: BNC |
| ◆ Camera size: Φ30 × 78(mm) | ◆ SNR: 60dB |
| ◆ Camera head: 1/3" 1 chip | ◆ Shutter: automatic |
| ◆ Resolution: PAL | ◆ White balance: automatic/manual |
| ◆ Scanning standard: 480 lines | |

PRODUCT FEATURE

- ◆ Completely medical degree design, soaked in liquid to sterilize.
- ◆ Support hand-actuated, automatic white balance
- ◆ Excellent optics adaptor,breathable, water leakage, remove mist,rotate
- ◆ Adjusting window size to adapt to different thickness of the endoscope.
- ◆ Brightness adgustment

Endoscope image system (NYX)



PRODUCT FEATURE

- ◆ Offer different clinical department. Thoracoscopic, Fiber-optic, Cystoscopy, Hysteroscopy, Laparoscopic and ENT etc.
- ◆ Customizing the mode for users. Fulfills the personality needs.
- ◆ Support different languages, Chinese and English.
- ◆ To optimize and process the Moore fringes for the fiber-optic.
- ◆ High image definition, adjust three grades.
- ◆ Image can freeze and save, support SD card dynamic storage.
- ◆ Picture-in-Picture, four picture display.
- ◆ Completely waterproof camera head, conform to CE highest standard IPX8.
- ◆ Camera head has two edit buttons, can control white balance, image freeze and storage.
- ◆ Different camera head, meet different needs.
- ◆ Specilized software control, when bleeding, the image doesn't become dark.

PRODUCT PARAMETER

- ◆ Major size: 320 × 80 × 350(mm)
- ◆ Camera size: Φ32 × 60(mm)
- ◆ Resolution: PAL
- ◆ Scanning standard: 600 lines
- ◆ Minimal illumination: 0.6 LUX(F1.2)
- ◆ Camera head: 1/3" SONY 1 chip waterproofing camera head
- ◆ Extended function: SD Dynamic/Static storage
- ◆ SNR: 60 dB
- ◆ Shutter: 1/60s–1/10,000s
- ◆ Signal gain: automatic
- ◆ White balance: automatic/manual
- ◆ Outputs: BNC/ Y/C / RGB / DVI/ USB(optional)
- ◆ U9226 Colour mini camera (F168D/Luxury type)
- ◆ U9712 Colour monitor
- ◆ U9111 High intensity cold light source
- ◆ U9401 Automatic high flow CO₂ insufflator
- ◆ U9523 Perfusion pump for endoscope
- ◆ U9820 Alloy car (with desk drawer)

Colour mini camera (3CCD)



U9227 Colour mini camera (SD-628)

PRODUCT FEATURE

- ◆ Completely medical degree design, soaked to sterilize, waterproof grade reaches IPX8
- ◆ Automatic exposure control, automatic identification of light intensity, automatic adjustment of the image brightness
- ◆ Double white balance function, automatic memory of white balance
Image brightness can be adjustable in four grade, programmable button on the handle of camera head, convenient for doctor to adjust at any time
- ◆ Optimization function for fiber endoscope, removes Morie fringe when connected with endoscope, makes more clear image
- ◆ Outputs signal outputs : RGB / DVI × 1 BNC / S-video
- ◆ Sharpness can be adjustable in three grade, to choose the best suitable image
- ◆ Windows can be adjustable in three grade, suitable for different endoscopes
- ◆ With function of choosing light source, suitable for LED, xenon lamp and different kinds of cold light source

PRODUCT PARAMETER

- ◆ Camera head : 3 × 1/3" 1 chip waterproof camera head
- ◆ Scanning standard : 800 lines
- ◆ Minimal illumination : 3LUS
- ◆ SNR : 60dB
- ◆ Signal gain: automatic
- ◆ Resolution Rate : 1280 × 1024
- ◆ Outputs : DVI / RGB
- ◆ Shutter : automatic

Sony Monitor (LMD-1510W HD Monitor)



LMD-1510W HD Monitor

- ◆ Screen size: 15.6 inches
- ◆ High purity filter, excellent brightness and contrast
- ◆ 109% peak white and 10-bit signal processing
- ◆ Picture delay can be minimised for audio synchronization.
- ◆ Multiple inputs including SDI and HDMI
- ◆ Resolution: 1366 x 768(WXGA)
- ◆ Aspect ratio:16:9

Sony Monitor(LMD-2110MC Monitor)



LMD-2110MC Monitor

- ◆ Screen size : 21 inches
- ◆ Resolution : HD resolution 1920X1080,16:9
- ◆ Interface: composite analogy,Y/C, 3RCA/RGB Input/Output,HDMI Input,SD-SDI Input(Optional)
- ◆ 10-bit signal processing engine,high-precision LCD grayscale reproduction,wide-angle, high Brightness, contrast and response speed
- ◆ Built-in mono speaker 0.5W
- ◆ External synchronization input/output, parallel remote control
- ◆ Optional color temperature, pure blue mode.

Sony Monitor (LMD-2451MC Monitor)



LMD-2451MC Monitor

- ◆ Completely medical safety standard for UL60601-1,CSA C22.2,EN60601-1
- ◆ 24 inches, resolution 1920X1200, Image Aspect Ratio16:10
- ◆ High Brightness, high contrast,178° wider field of view
- ◆ Interface : composite, Y/C, RGB/3RCA, External synchronization,HD/SD-SDI
- ◆ Computer interface : DVI-D,HD15
- ◆ Optional : SD/HD-SDI, composite, Y/C, RGB/3RCA
- ◆ Serial, parallel remote control interface
- ◆ The screen surface has a AR reflection shield

Monitor (Samsung SMT-1930 /SMT-1934/SMT-2232)



Samsung SMT Monitors

Model	SMT-1930	SMT-1934	SMT-2232
Screen size	19" (Wide screen)	19"	22" (Wide screen)
Max Resolution	1,366 × 768	1,280 × 1,024	1,920 × 1,080
Brightness	300cd/m2	250cd/m2	300cd/m2
Contrast	1,000:1	1,000:1	1,000:1
Viewing Angle(H/V)	160° /160°	170° /160°	170° /160°
Response time	5ms	5ms	5ms
Video system	NTSC/PAL	NTSC/PAL	NTSC/PAL
Interface	HDMI/A	BNC/USB/HDMI	BNC/USB/HDMI/A

Industrial Endoscope



Industrial Endoscope

	Name	Code	Specification
1	Industrial Endoscope	J4000	0° , φ 4mm × 380mm
2	Industrial Endoscope	J040008302	0° , φ 8mm × 302mm
3	Industrial Endoscope	J040006060	0° , φ 6mm × 60mm
4	Industrial Endoscope	J040004420	0° , φ 4mm × 420mm
5	Industrial Endoscope	J040030400	0° , φ 3mm × 400mm
6	Industrial Endoscope	J040052302	0° , φ 5.2mm × 302mm
7	Industrial Endoscope	J040052175	0° , φ 5.2mm × 175mm
8	Industrial Endoscope	J040004175	0° , φ 4mm × 175mm
9	Industrial Endoscope	J040012120	0° , φ 1.2mm × 120mm
10	Industrial Endoscope	J040012120	0° , φ 1.2mm × 150mm
11	Industrial Endoscope	J040012160	0° , φ 1.2mm × 160mm
12	Industrial Endoscope	J040004540	0° , φ 4mm × 540mm
13	Industrial Endoscope	J040050175	0° , φ 5mm × 175mm
14	Industrial Endoscope	J040006400	0° , φ 6mm × 400mm
15	Industrial Endoscope	J040060380	0° , φ 6mm × 380mm
16	Industrial Endoscope	J040052500	0° , φ 5.2mm × 500mm
17	Industrial Endoscope	J040027140	0° , φ 2.7mm × 140mm
18	Industrial Endoscope	J040010500	0° , φ 10mm × 500mm
19	Industrial Endoscope	J0400354	0° , φ 5.2mm × 354mm
20	Industrial Endoscope	J040016250	0° , φ 1.6mm × 250mm
21	Industrial Endoscope	J2600380	0° , φ 8mm × 380mm
22	Industrial Endoscope	J2600A803	0° , φ 6mm × 803mm
23	Industrial Endoscope	J0600	0° , φ 6mm × 450mm
24	Industrial Endoscope	J5000	0° , φ 4mm × 200mm
25	Industrial Endoscope	J0400	0° , φ 5.2mm × 420mm
26	Industrial Endoscope	J040008450	0° , φ 8mm × 450mm
27	Industrial Endoscope	J1400	0° , φ 3mm × 55mm
28	Industrial Endoscope	J1400B	0° , φ 3mm × 304mm
29	Industrial Endoscope	J043010340	30° , φ 10mm × 340mm
30	Industrial Endoscope	J043006400	30° , φ 6mm × 400mm
31	Industrial Endoscope	J047006300	70° , φ 6mm × 300mm
32	Industrial Endoscope	J047004380	70° , φ 4mm × 380mm
33	Industrial Endoscope	J047008302	70° , φ 8mm × 302mm
34	Industrial Endoscope	J047006540	70° , φ 6mm × 540mm
35	Industrial Endoscope	J047004200	70° , φ 4mm × 200mm
36	Industrial Endoscope	GTD1	70° , φ 4mm × 420mm
37	Industrial Endoscope	J047006600	70° , φ 6mm × 600mm
38	Industrial Endoscope	J047006655	70° , φ 6mm × 665mm
39	Industrial Endoscope	J2670380	70° , φ 6mm × 666mm
40	Industrial Endoscope	J047004540	70° , φ 4mm × 540mm
41	Industrial Endoscope	J047010325	70° , φ 10mm × 325mm
42	Industrial Endoscope	J047035302	70° , φ 3.5mm × 302mm
43	Industrial Endoscope	GTD2670B380	70° , φ 6mm × 380mm
44	Industrial Endoscope	J2670A803	70° , φ 6mm × 803mm
45	Industrial Endoscope	J0770T	70° , φ 8mm × 350mm
46	Industrial Endoscope	J0370500	70° , φ 4mm × 503mm
47	Industrial Endoscope	GTD	70° , φ 4mm × 380mm
48	Industrial Endoscope	GTD(g)	70° , φ 4mm × 380mm
49	Industrial Endoscope	J1690300	90° , φ 6mm × 300mm
50	Industrial Endoscope	J049006350	90° , φ 6mm × 350mm

Industrial Endoscope



Industrial Endoscope

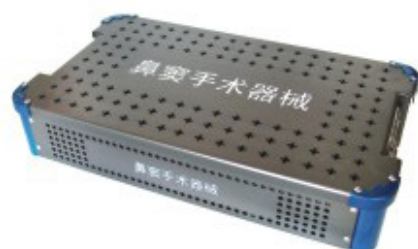
Name	Code	Specification
51 Industrial Endoscope	J0690D	90° , ϕ 8mm $\times$ 340mm
52 Industrial Endoscope	J049006450	90° , ϕ 6mm $\times$ 450mm
53 Industrial Endoscope	J049006580	90° , ϕ 6mm $\times$ 580mm
54 Industrial Endoscope	J049008450	90° , ϕ 8mm $\times$ 450mm
55 Industrial Endoscope	J049006380	90° , ϕ 6mm $\times$ 380mm
56 Industrial Endoscope	J049010500	90° , ϕ 10mm $\times$ 500mm
57 Industrial Endoscope	J049010360	90° , ϕ 10mm $\times$ 375mm
58 Industrial Endoscope	J049010300	90° , ϕ 10mm $\times$ 300mm
59 Industrial Endoscope	J0690A	90° , ϕ 8mm $\times$ 300mm
60 Industrial Endoscope	J0690B	90° , ϕ 8mm $\times$ 700mm
61 Industrial Endoscope	J0690C	90° , ϕ 8mm $\times$ 426mm
62 Industrial Endoscope	J0690	90° , ϕ 6mm $\times$ 455mm
63 Industrial Endoscope	J1690	90° , ϕ 6mm $\times$ 504mm

Endoscope disinfection box、Instruments disinfection box

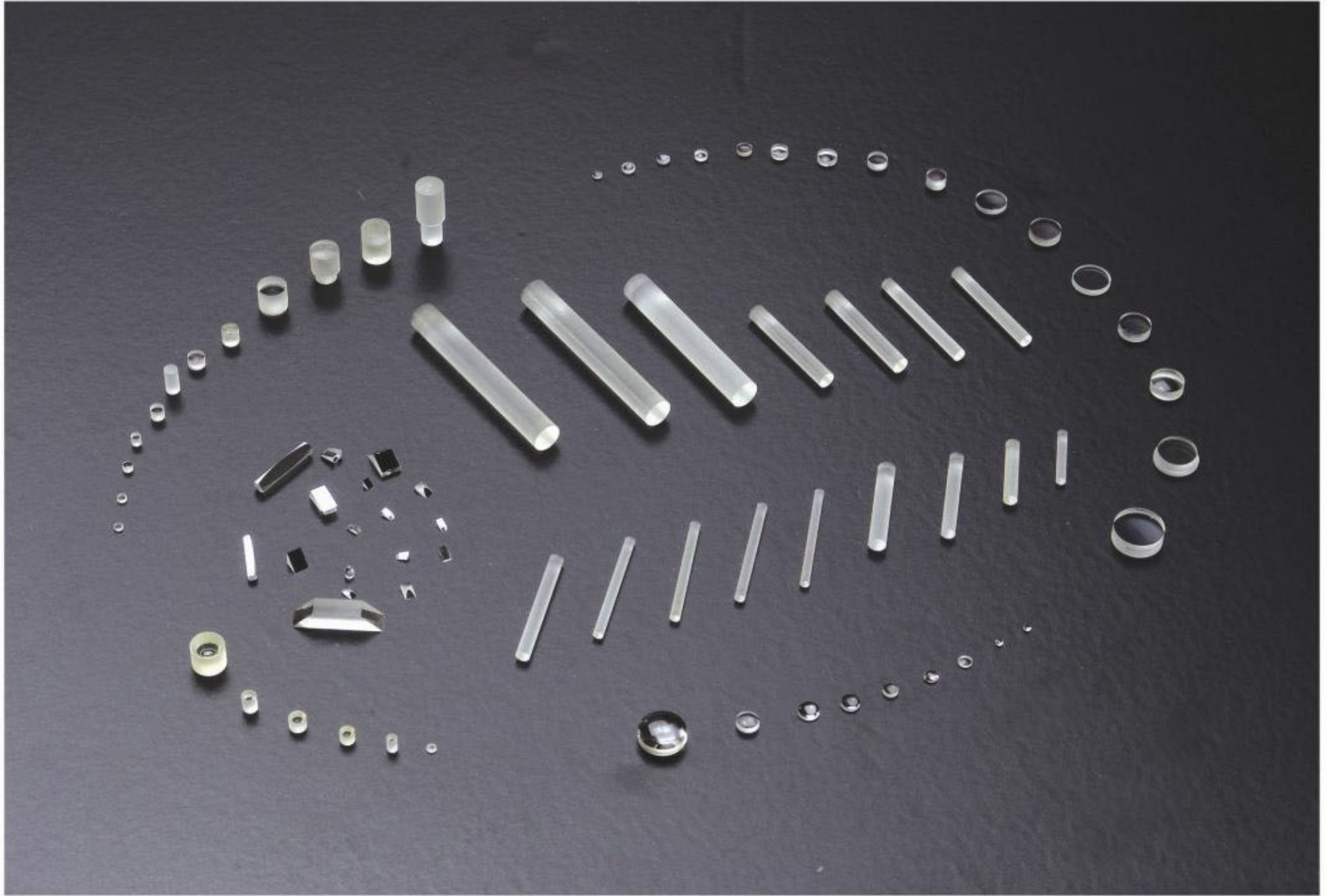


Endoscope disinfection box

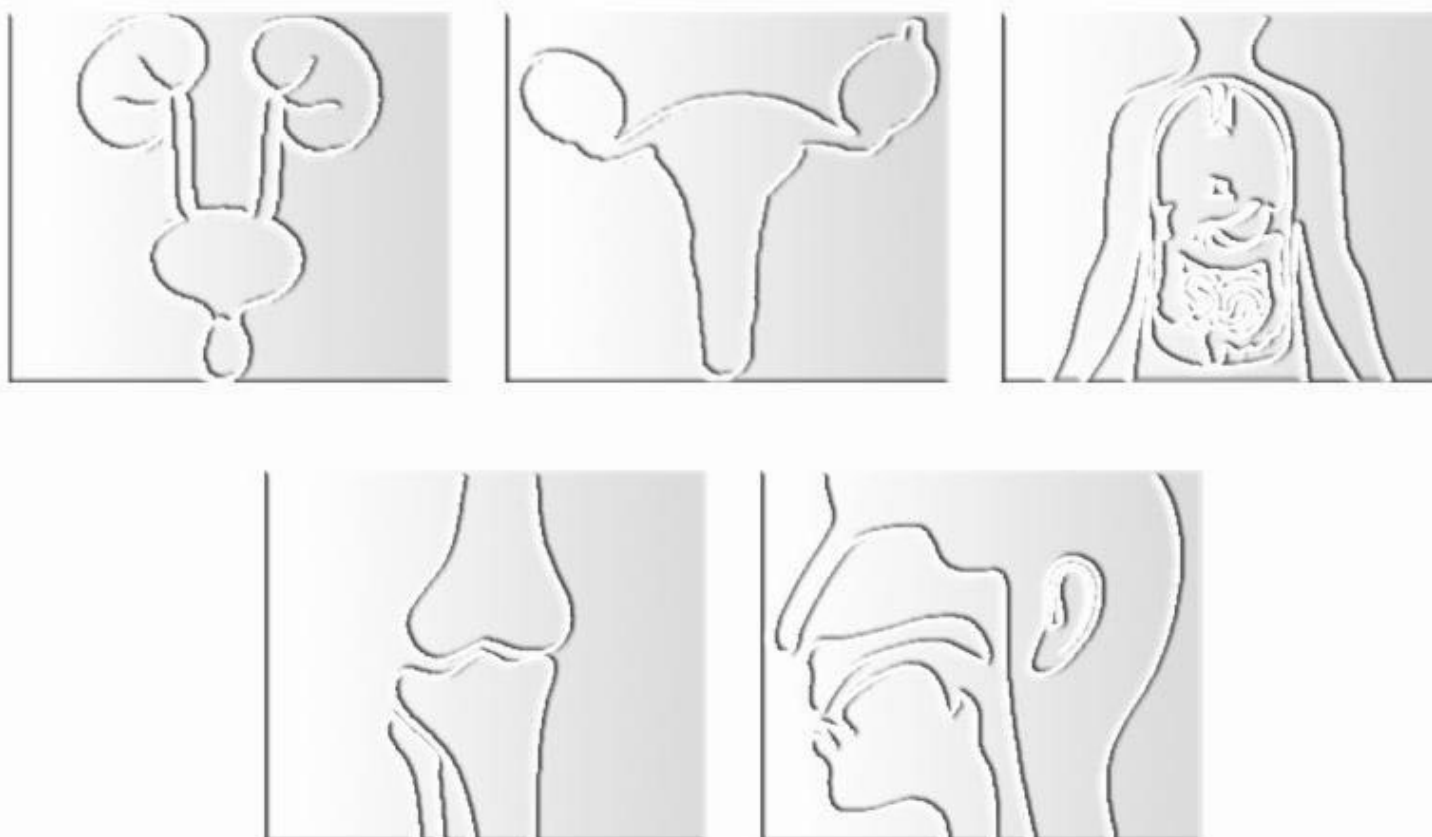
Name	Specification	Note
Laparoscope instruments	560mm $\times$ 235mm $\times$ 75mm	For instruments
Laparoscope instruments	565mm $\times$ 260mm $\times$ 75mm	For instruments
Laparoscope instruments	550mm $\times$ 305mm $\times$ 160mm	For instruments
Laparoscope instruments	540mm $\times$ 230mm $\times$ 70mm	For instruments
Sinuscope instruments	395mm $\times$ 225mm $\times$ 80mm	For instruments
Laparoscope,Cystoscope	430mm $\times$ 90mm $\times$ 45mm	For endoscope
Cystoscope	530mm $\times$ 230mm $\times$ 90mm	For endoscopes
Laparoscope	525mm $\times$ 300mm $\times$ 155mm	For full set products
Sinuscope,Otoscope	275mm $\times$ 90mm $\times$ 45mm	For endoscopes
Sinuscope	360mm $\times$ 260mm $\times$ 90mm	For endoscopes
Sinuscope instruments	380mm $\times$ 215mm $\times$ 70mm	For instruments
Resectoscope	435mm $\times$ 290mm $\times$ 100mm	For full set products
Resectoscope instruments	420mm $\times$ 280mm $\times$ 90mm	For instruments
Cystoscope	545mm $\times$ 240mm $\times$ 100mm	For full set products
Operating laryngoscope	460mm $\times$ 220mm $\times$ 95mm	For full set products
Operating laryngoscope	435mm $\times$ 210mm $\times$ 90mm	For full set products
Power-driven uterectomy	540mm $\times$ 240mm $\times$ 140mm	For full set products
Power-driven uterectomy	540mm $\times$ 250mm $\times$ 135mm	For full set products
Ureterscope	680mm $\times$ 265mm $\times$ 108mm	For single endoscope
Ureterscope	730mm $\times$ 200mm $\times$ 100mm	For single endoscope
Ureterscope	660mm $\times$ 140mm $\times$ 80mm	For single endoscope
Hysteroscope	360mm $\times$ 140mm $\times$ 85mm	For endoscopes
Endoscope	425mm $\times$ 84mm $\times$ 42mm	For endoscopes
Endoscope	270mm $\times$ 84mm $\times$ 42mm	For endoscopes
Endoscope instrument	550mm $\times$ 250mm $\times$ 70mm	For instruments
Endoscope instrument	550mm $\times$ 250mm $\times$ 100mm	For instruments



Instruments disinfection box



Our company undertake processing various optical lens and maintenance of imported brand endoscope.



Welcome you to cooperate with Shenda, please contact us at any time!



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