

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 reinited 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.

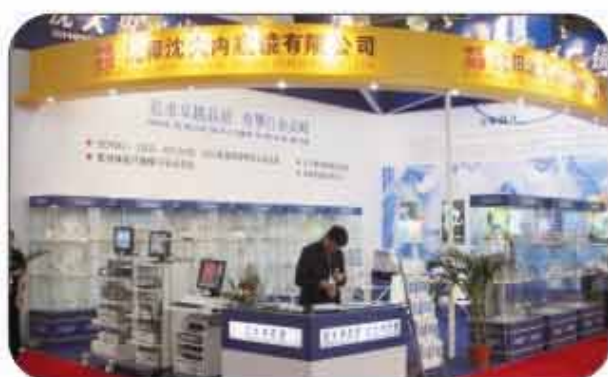
Quality and Sales

- Our company has complete quality management system.We passed the ISO9001 : 2008 and ISO 13485 : 2012 quality managment 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.



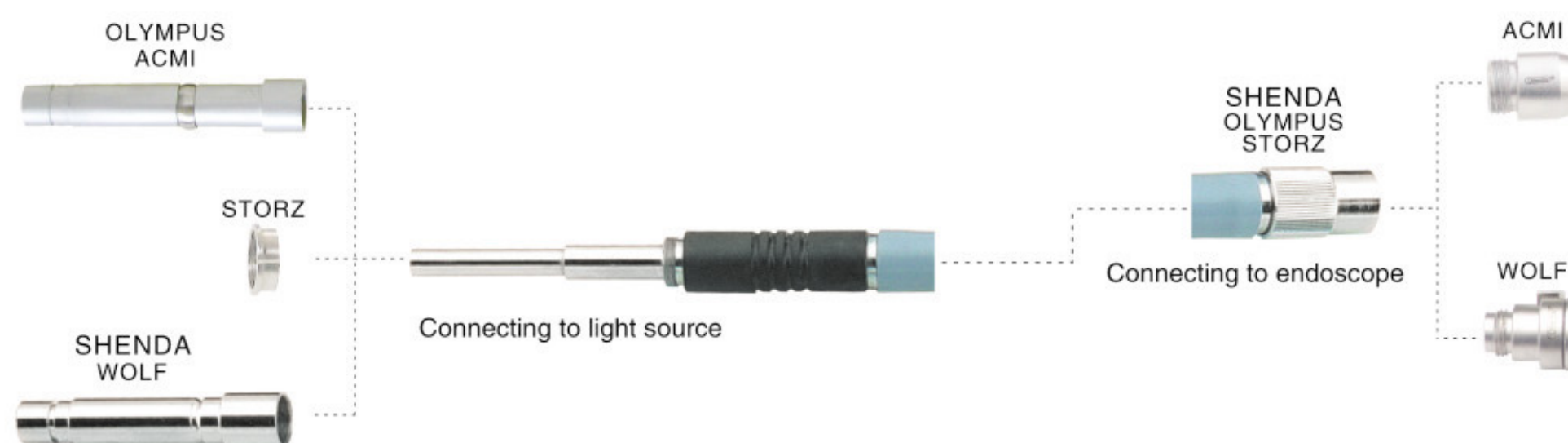
Code of endoscope

	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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LAPAROSCOPE DF

LAPAROSCOPE DF

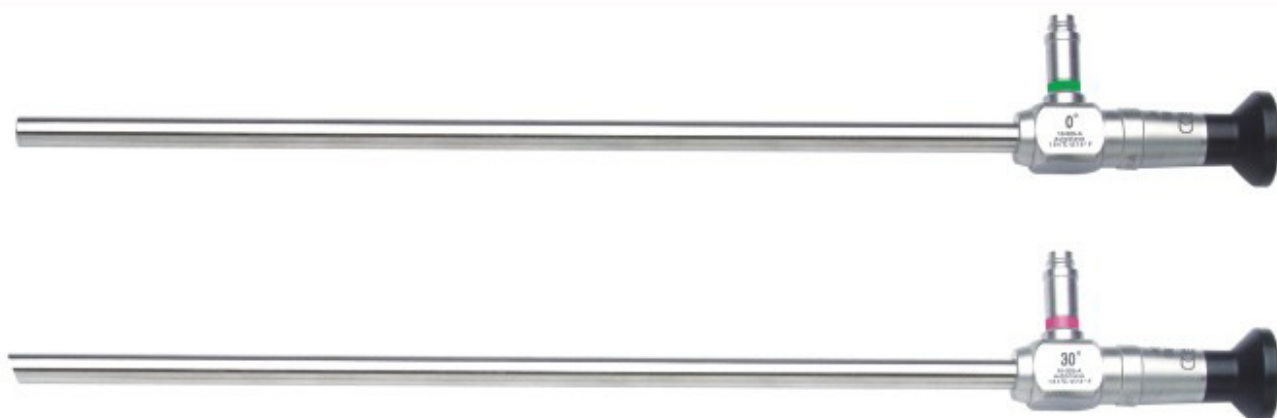
Φ 10mm Endoscope

J0800B 0° Endoscope(Angle of field: 70°)
φ 10mm × 325mm

J0800G 0° Endoscope(Angle of field: 90°)
φ 10mm × 325mm

J0830B 30° Endoscope(Angle of field: 70°)
φ 10mm × 325mm

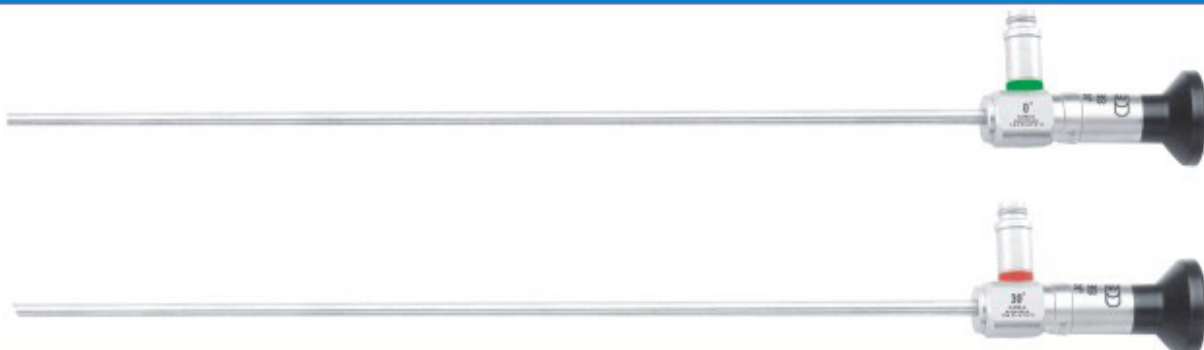
J0830G 30° Endoscope(Angle of field: 90°)
φ 10mm × 325mm



Φ 5mm Endoscope

J1800 0° Endoscope
φ 5mm × 290mm

J1830 30° Endoscope
φ 5mm × 290mm



HD laparoscope

J0800Bh 0° Endoscope(Angle of field:80°)
φ 10mm × 345mm

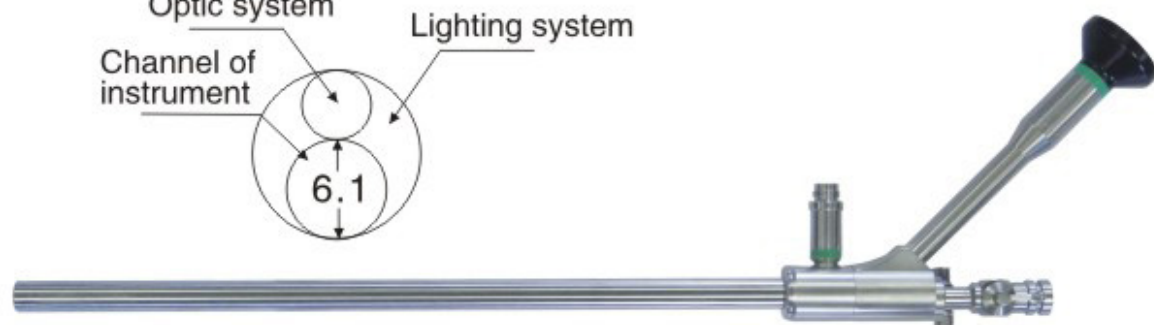
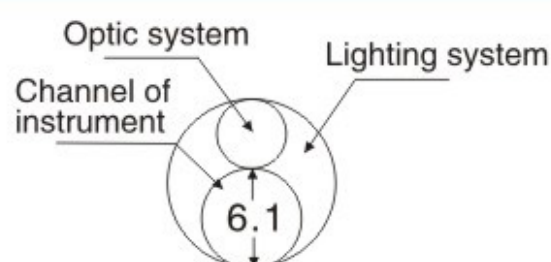
J0830Bh 30° Endoscope(Angle of field:80°)
φ 10mm × 345mm



Oblique laparoscope

JY0800S2 Oblique laparoscope
φ 11mm × 270mm
Used with φ 6mm instrument

JY0800S Oblique laparoscope
φ 10mm × 270mm
Used with φ 6mm instrument



Trocar

D4561D Trocar(magnetic ball)
φ 5.5mm × 100mm

D4521D Trocar(magnetic ball)
φ 10.5mm × 100mm

D4561DB Trocar(magnetic ball/protection)
φ 5.5mm × 100mm

D4521DB Trocar(magnetic ball/protection)
φ 10.5mm × 100mm

D4561DL Trocar(magnetic ball/thread)
φ 5.5mm × 100mm

D4521DL Trocar(magnetic ball/thread)
φ 10.5mm × 100mm



D4561B Trocar(cross-shaped)
φ 5.5mm × 100mm

D4521B Trocar(cross-shaped)
φ 10.5mm × 100mm

D4561BB Trocar(cross-shaped/protection)
φ 5.5mm × 100mm

D4521BB Trocar(cross-shaped/protection)
φ 10.5mm × 100mm

D4561BL Trocar(cross-shaped/thread)
φ 5.5mm × 100mm

D4521BL Trocar(cross-shaped/thread)
φ 10.5mm × 100mm

D4521BZ Trocar(cross-shaped/convertible)
φ 10.5mm × 100mm



Trocar, Veress needle, Reducing cannula

D4561E	Trocar(magnetic sheet) φ 5.5mm × 100mm	
D4521E	Trocar(magnetic sheet) φ 10.5mm × 100mm	
D4561EB	Trocar(magnetic sheet/protection) φ 5.5mm × 100mm	
D4521EB	Trocar(magnetic sheet/protection) φ 10.5mm × 100mm	
D4561EL	Trocar(magnetic sheet/thread) φ 5.5mm × 100mm	
D4521EL	Trocar(magnetic sheet/thread) φ 10.5mm × 100mm	
D4521EZ	Trocar(magnetic sheet/convertible) φ 10.5mm × 100mm	
D4701C	Reducing cannula (long/short) φ 10.5mm – φ 5.5mm	
D4611	Veress needle φ 2.2mm × 120mm	
D4610	Veress needle φ 2.2mm × 100mm	
D4615	Veress needle φ 2.2mm × 150mm	

D4561F	Trocar(switch panel) φ 5.5mm × 100mm	
D4521F	Trocar(switch panel) φ 10.5mm × 100mm	
D4561FB	Trocar(switch panel/protection) φ 5.5mm × 100mm	
D4521FB	Trocar(switch panel/protection) φ 10.5mm × 100mm	
D4533B	Trocar(cross-shape) φ 12.5mm × 100mm	
D4567	Reducing adapter	
D4500-1	Outer rubber cap φ 5.5mm	
D4500-4	Outer rubber cap φ 10mm	
D4500-2	Inner sealed cap φ 5.5mm	
D4500-3	Inner sealed cap φ 10mm	

Clip applier

D5006C	Clip applier Middle(Single-action, Double-action) φ 10mm × 330mm	
DW5021	Clip applier-Single action(Small) φ 5mm × 330mm	
D5006F	Clip applier (Medium) φ 10mm × 330mm	
DW5022	Clip applier(Deep-seated) φ 10mm × 330mm	
D5801	Titanium clip	

D5006E	Clip applier (Medium) Used with imported plastic clip φ 10mm × 330mm	
DW5023	Clip applier(Large) φ 10mm × 330mm	
DW5024	Clip applier(Small) φ 5mm × 330mm	
DW5025	Clip applier	
DW5810S	Plastic clip	
D5006D	Clip applier (Used with imported biologic clip) φ 10mm × 330mm	

Method of detaching the instrument(Insulated)



Procedure of detachment

- ① Press the button
- ② Open the handle
- ③ Pull out the metal forceps

Dissecting forceps

D6501C Dissecting forceps(straight)
φ 5mm × 330mm



D6526 Dissecting forceps
(90°)
φ 5mm × 330mm



DW5016 Dissecting forceps (70°)
φ 5mm × 330mm



D6503C Dissecting forceps (45°)
(curved)
φ 5mm × 330mm



D6527 Dissecting forceps
(large)
φ 10mm × 330mm



D6528 Dissecting forceps
(large, 90°)
φ 10mm × 330mm



Forceps (Insulated, φ 5)

D6529 Duck-jaw forceps
φ 5mm × 330mm



D6530 Punch grasping forceps
φ 5mm × 330mm



D6531 Grasping forceps
φ 5mm × 330mm



D6531A Grasping forceps
φ 5mm × 330mm



D6532 Organ-anchoring
forceps
φ 5mm × 330mm



D6533 Grasping forceps
(Rat-teeth)1+2teeth
φ 5mm × 330mm



D6533A Grasping forceps
(Rat-teeth)2+3teeth
φ 5mm × 330mm



D6535 Atraumatic forceps
φ 5mm × 330mm



D6536 Grasping forceps
φ 5mm × 330mm



D6537 Tine forceps
φ 5mm × 330mm



D6539 Biopsy forceps
φ 5mm × 330mm



D6540 Biopsy forceps
(with needle)
φ 5mm × 330mm



D6541 Biting and cutting
forceps
φ 5mm × 330mm



D6546 Medium grasping
forceps
φ 5mm × 330mm



D6550 Sector forceps
(three leaves)
φ 5mm × 330mm



Forceps (Insulated, ϕ 5)

D6534 Grasping forceps
(small teeth)
 ϕ 5mm $\times$ 330mm



D6520 Atraumatic forceps
 ϕ 5mm $\times$ 330mm



D6520A Atraumatic forceps
(small)
 ϕ 5mm $\times$ 330mm



D6538 Appendix grasping forceps
 ϕ 5mm $\times$ 330mm



D6542 Thram grasping forceps
 ϕ 5mm $\times$ 330mm



D6524 Fallopian tube grasping forceps
 ϕ 5mm $\times$ 330mm



D6525A Knot forceps(Rotating)
 ϕ 5mm $\times$ 330mm



DW5002 Stomach grasping forceps
 ϕ 5mm $\times$ 330mm



DW5003 Stomach grasping forceps(Curved)
 ϕ 5mm $\times$ 330mm



DW5004 Stomach grasping forceps(Round tip)
 ϕ 5mm $\times$ 330mm



DW5005 Grasping forceps(Double forceps)
 ϕ 5mm $\times$ 330mm



DW5006 Grasping forceps(Double forceps)
 ϕ 5mm $\times$ 330mm



D6547 Hollow erect grasping
forceps
 ϕ 5mm $\times$ 330mm



D6548 O-shaped grasping
forceps
 ϕ 5mm $\times$ 330mm



D6549 V-shaped grasping
forceps
 ϕ 5mm $\times$ 330mm



D6523 Cholecystic grasping forceps
 ϕ 5mm $\times$ 330mm



D6543 Thram grasping forceps
(empty)
 ϕ 5mm $\times$ 330mm



D6545 Mucous membrane forceps
 ϕ 5mm $\times$ 330mm



D6525B Knot forceps B type
 ϕ 5mm $\times$ 330mm



DW5007 Intestinal grasping forceps
 ϕ 5mm $\times$ 330mm



DW5008 Oval forceps(Small)
 ϕ 5mm $\times$ 330mm



DW5009 Oval forceps(Middle)
 ϕ 5mm $\times$ 330mm



DW5010 Oval forceps(Large)
 ϕ 5mm $\times$ 330mm



DW5001 Stomach grasping forceps
 ϕ 5mm $\times$ 330mm



Scissors(Insulated)

D6603 Scissors
(single-action straight)
φ 5mm × 330mm



D6602A Scissors
(single-action Curved)
φ 5mm × 330mm



D6601 Hook scissors
φ 5mm × 330mm



D6605 Scissors
(straight,single/double-action)
φ 10mm × 330mm



D6603A Scissors(double-action straight)
φ 5mm × 330mm



D6602 Scissors(double-action curved)
φ 5mm × 330mm



D6604 Upwards scissors
φ 5mm × 330mm



D6606 Scissors
(curved,single/double-action)
φ 10mm × 330mm



Pediatric laparoscope instruments

DW5015 Atraumatic forceps
φ 3mm × 330mm



DW5302 Scissors(single action)
φ 3mm × 330mm



DW5017 Dissecting forceps(curved)
φ 3mm × 330mm



D6410X Electric hook
φ 3mm × 330mm



DW5301 Scissors(hook-shaped)
φ 3mm × 330mm



DW5303 Scissors(single action curved)
φ 3mm × 330mm



DW5018 Dissecting forceps(straight)
φ 3mm × 330mm



DW4402X Coagulator
φ 3mm × 330mm



Coagulation instrument

D6408B Electric pin
φ 5mm × 330mm



D6404B Electric hook
φ 5mm × 330mm



D6402B Electric spade
φ 5mm × 330mm



D6403B Coagulator
φ 5mm × 330mm



D6407B Electric knife
φ 5mm × 330mm



DW6401 Electric ball
φ 5mm × 330mm



Coagulation suction unit

DW4402 Electric coagulator
φ 5mm × 330mm



DW4403 Electric spud
φ 5mm × 330mm



D6410 Coagulation
suction unit
φ 5mm



Instrument ϕ 10

D5000 Normal handle
of instrument
 ϕ 10mm



D5000S Handle of instrument
with lock
 ϕ 10mm



D5002A Claw forceps
 ϕ 10mm $\times$ 330mm



D5011C Atraumatic forceps
 ϕ 10mm $\times$ 330mm



D5057 Anastomosis tractin
forceps
 ϕ 10mm $\times$ 330mm



D5011D Atraumatic forceps
 ϕ 10mm $\times$ 330mm



D5014A Grasping forceps
 ϕ 10mm $\times$ 330mm



D5056 Liver grasping forceps
 ϕ 10mm $\times$ 330mm



D5050 Tharm grasping forceps, bent
 ϕ 10mm $\times$ 330mm



D5063 Spleen pedicel vein
grasping forceps
 ϕ 10mm $\times$ 330mm



D5055 Stomach grasping forceps,
round tip
 ϕ 10mm $\times$ 330mm



DW5011 Long head grasping forceps
 ϕ 10mm $\times$ 330mm



D5062 Interdiction vessel
forceps(S type)
 ϕ 10mm $\times$ 330mm



DW5012 Lung grasping forceps
 ϕ 10mm $\times$ 330mm



D5054 Stomach grasping forceps
 ϕ 10mm $\times$ 330mm



DW5013 Large grasping forceps(2-teeth)
 ϕ 10mm $\times$ 330mm



DW5014 Suture grasping forceps
 ϕ 10mm $\times$ 330mm



Needle holder

D5032C Gun type needle holder
(straight / alloy)
 ϕ 5mm $\times$ 330mm

D5032D Gun type needle holder
(curved / alloy)
 ϕ 5mm $\times$ 330mm



Handle(O type)
applying to D5033B,D5033C



Handle(V type)
applying to D5032B,D5032A,
D5033A,D5033D



D5033B Needle holder O type
(straight/alloy)
 ϕ 5mm $\times$ 330mm



D5033A Towards needle holder
(alloy)
 ϕ 5mm $\times$ 330mm



D5032A Needle holder V type
(straight/alloy)
 ϕ 5mm $\times$ 330mm



D5033D Towards clip needle holder
(alloy)
 ϕ 5mm $\times$ 330mm



D5032B Needle holder V type
(curved/alloy)
 ϕ 5mm $\times$ 330mm

D5033C Needle holder O type
(curved/alloy)
 ϕ 5mm $\times$ 330mm



Double-electrode forceps, Double-electrode wire

D6513 Double-electrode forceps
(normal handle)
φ 5mm × 330mm



Atraumatic core of
double-electrode forceps

Dissecting core of double-
electrode forceps

D6521 Double-electrode forceps
φ 5mm × 330mm



D6521A N Core of double-
electrode forceps



DW6501 Double-electrode forceps(circular)
φ 5mm × 330mm



DW6502 Double-electrode forceps(curved)
φ 5mm × 330mm



U8414 Double-electrode wire
3000mm

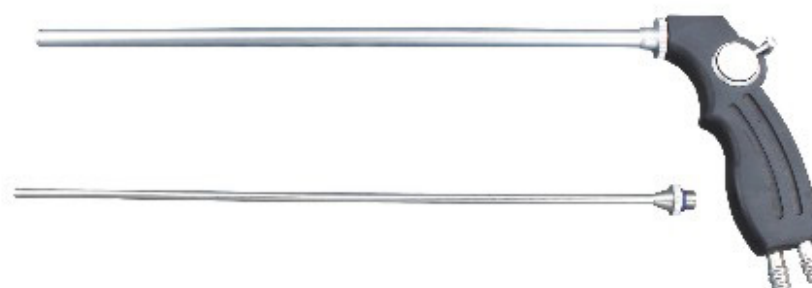


Suction device

D4405 Suction unit
(disassembly)
φ 5mm, φ 10mm



DW4404 Suction unit (gun type)
φ 10mm × 330mm



DW4405 Suction unit (spring type)
φ 10mm × 330mm



Sector forceps

D5060 Sector forceps
(five leaves, bent)
φ 10mm × 330mm

DW5031 Fan retractor (fixed)
φ 10mm × 330mm

Cutting knife

D5401A Cutting knife
φ 5mm × 330mm

D5401B Cutting knife
φ 10 mm × 330mm

Laparoscope instruments

DW4501 Trocar with thread
φ 12mm

DW4502 Trocar with thread
φ 10mm

DW4503 Trocar with thread
φ 5mm

DW5026 Fallopian tube ligation forceps
φ 5.8mm × 400mm

DW5027 Cotton forceps
φ 5mm × 420mm

Coagulation suction unit

DW4401 Coagulation suction unit with valve
φ 5mm × 330mm

DW5029 Elevator (double heads)
φ 10mm × 330mm

Power-driven uterectomy

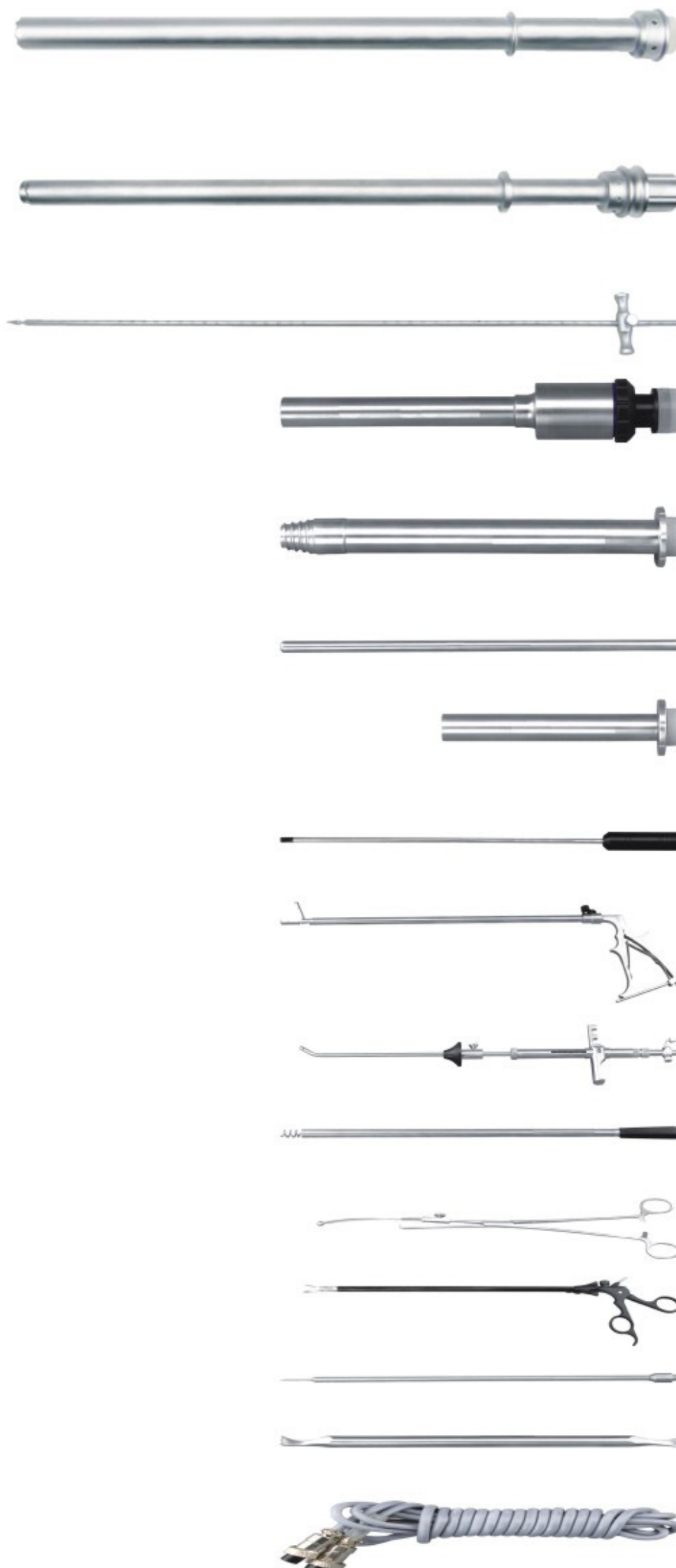


201.022 Host machine



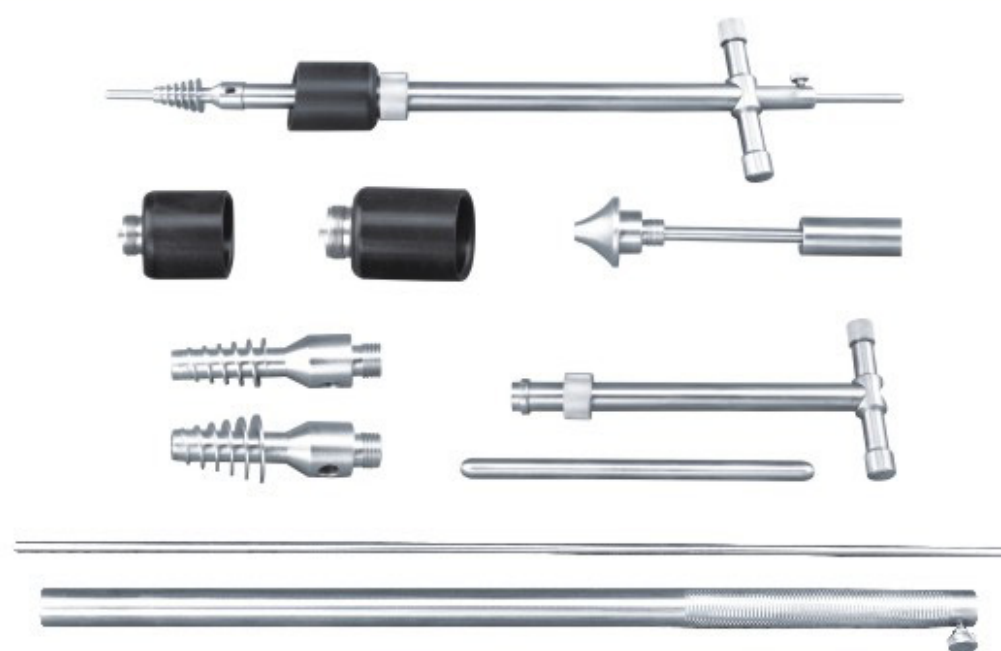
201.023 Electro-motor

- 201.001 Hysterectomy apparatus
Φ10mm × 320mm
- 201.002 Hysterectomy apparatus
Φ15mm × 320mm
- 201.003 Hysterectomy apparatus
Φ18mm × 320mm
- 201.004 Hysterectomy apparatus
Φ15mm × 320mm
- 201.005 Hysterectomy apparatus
Φ18mm × 320mm
- 201.006 Uterus measuring stick
Φ5mm × 500mm
- 201.008 Trocar cannula
Φ15mm × 95mm
- 201.009 Trocar cannula
Φ18mm × 95mm
- 201.010 Dilator
Φ10mm/Φ15mm
- 201.011 Dilator
Φ10mm/Φ18mm
- 201.012 Guide probe
Φ10mm × 330mm
- 201.013 Converter
Φ15mm–Φ10mm
- 201.014 Converter
Φ18mm–Φ10mm
- 201.015 Knot-pushing stick
Φ5mm × Φ330mm
- 201.016 Grasping forceps
Φ10mm × Φ420mm
- 201.017 Grasping forceps
Φ5mm × Φ420mm
- 201.018 Lift uterus apparatus
- 201.019 Hysteromyoma bodkin
Φ5mm × Φ420mm
- 201.020 Hysteromyoma bodkin
Φ10mm × Φ420mm
- 201.021 Cervical forceps(adjustable)
- 201.024 Uterine neck forceps
- 201.025 Heavy scissors(curved)
- 201.026 Bile Duct Needle
Φ5mm × Φ330mm
- 201.027 Elevator(Double heads)
Φ10mm × Φ330mm
- 201.028 Cord



Uterus apparatus

D5051A Special lift uterus apparatus



D5051 Multifunctional uterus apparatus
Working length 260mm



D5041A Lift uterus apparatus
Working length 150mm



Uterine neck forceps

D5042 Uterine neck forceps



DW5030 Cervical forceps (adjustable)



Trocar

D5402 Puncture needle
φ 5mm × 330mm



Single—electric wire

U8413A Single—electrode wire
3m



Knot pusher

D5034A Knot pusher
 ϕ 5mm $\times$ 330mm

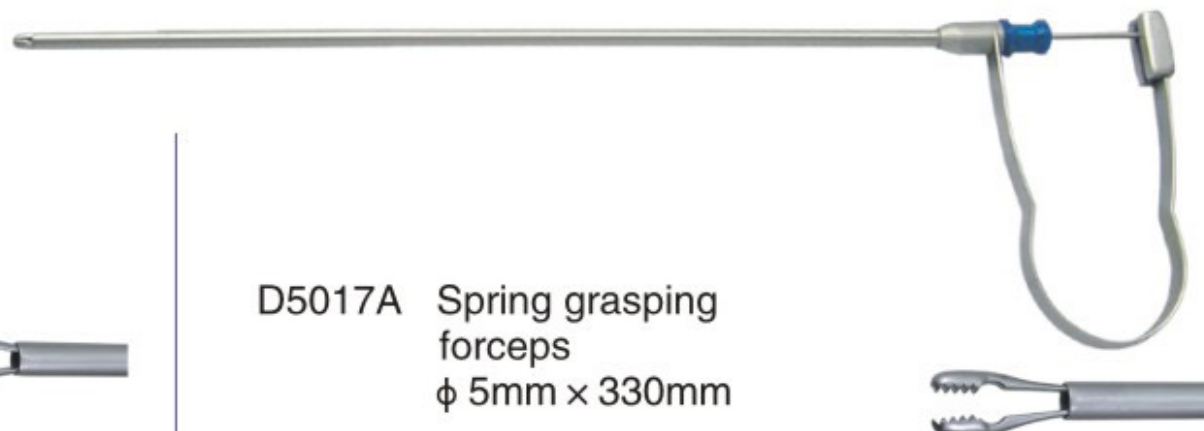


Spring grasping forceps

D5017B Spring grasping forceps
 long mouth
 ϕ 5mm $\times$ 330mm



D5017A Spring grasping
 forceps
 ϕ 5mm $\times$ 330mm



Suture forceps

D5048 Abdominal suture
 forceps(zenon)
 ϕ 2mm $\times$ 150mm



D5403 Abdominal suture forceps
 (zenon needle)
 ϕ 2mm $\times$ 150mm



D5049 Abdominal suture forceps
 (zenon restoration device)
 ϕ 2.2mm $\times$ 110mm



Opening forceps,Cholangiography forceps

D5053 Opening forceps
 ϕ 11mm



D5052 Cholangiography
 forceps
 ϕ 5mm $\times$ 330mm



Portable light source, Light cable

U9140 Portable light source



U8725 Light cable
 ϕ 5.8mm $\times$ 2.3m

U8725C Light cable
 ϕ 5mm $\times$ 3m

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



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

Industrial Endoscope



Industrial Endoscope

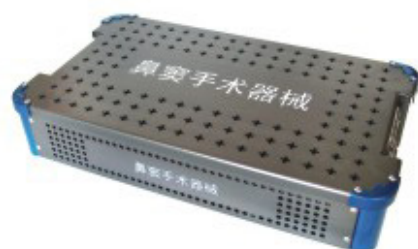
Name	Code	Specification
51 Industrial Endoscope	J0690D	90° , ϕ 8mm $\times$ 340mm
52 Industrial Endoscope	J049006450	90° , ϕ 6mm $\times$ 450mm
53 Industrial Endoscope	J049006580	90° , ϕ 6mm $\times$ 580mm
54 Industrial Endoscope	J049008450	90° , ϕ 8mm $\times$ 450mm
55 Industrial Endoscope	J049006380	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

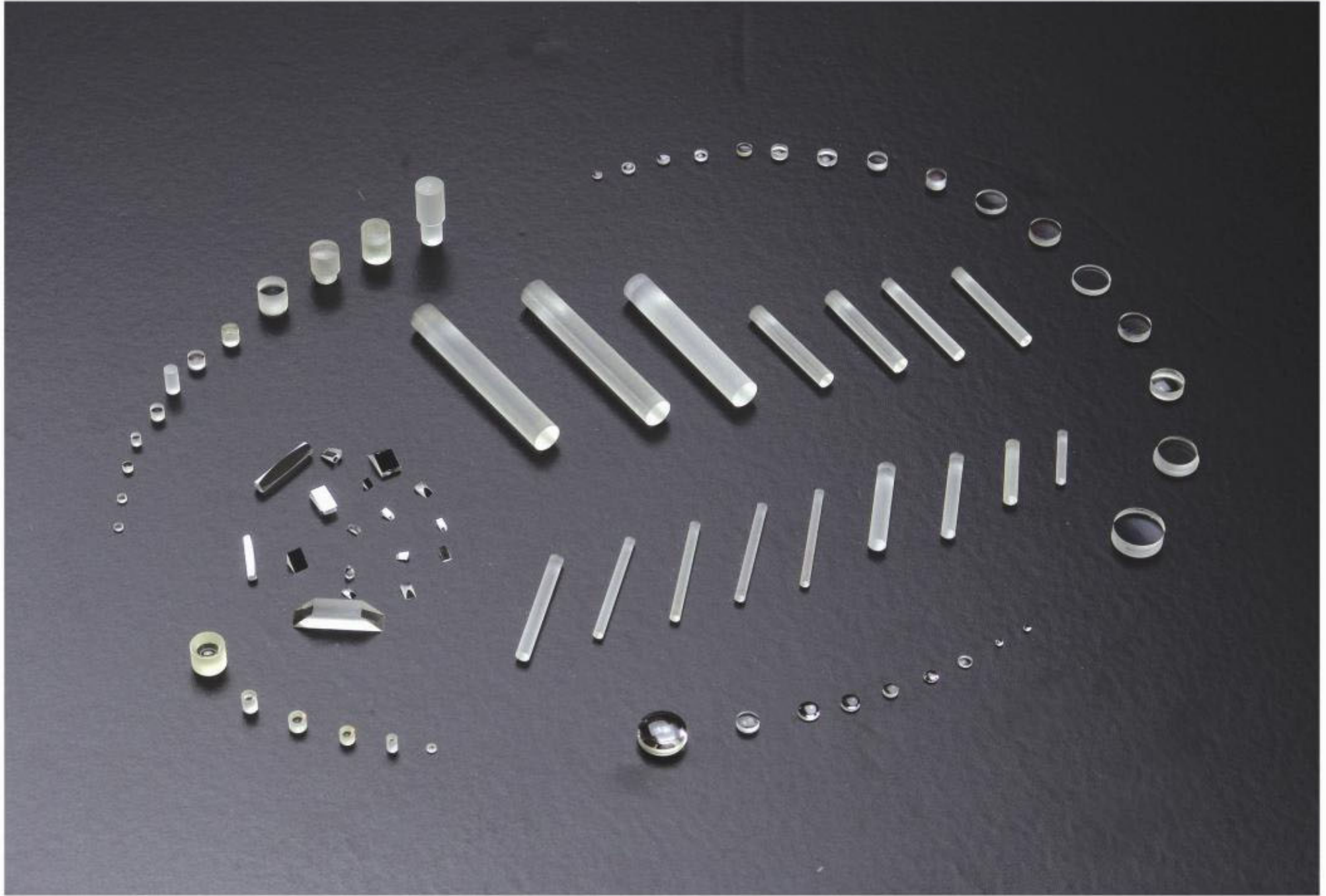


Endoscope disinfection box

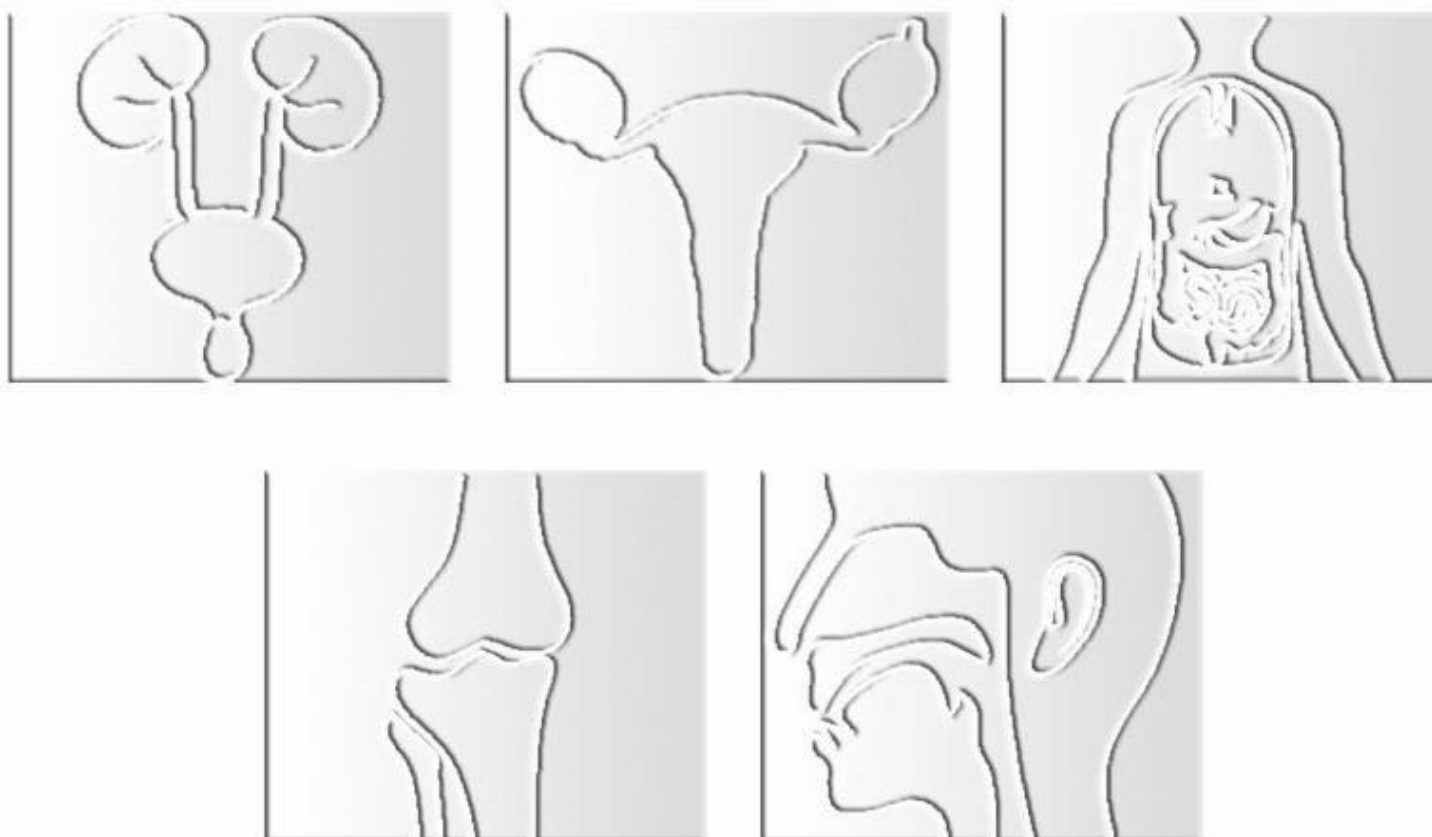
Name	Specification	Note
Laparoscope instruments	560mm $\times$ 235mm $\times$ 75mm	For instruments
Laparoscope instruments	565mm $\times$ 260mm $\times$ 75mm	For instruments
Laparoscope instruments	550mm $\times$ 305mm $\times$ 160mm	For instruments
Laparoscope instruments	540mm $\times$ 230mm $\times$ 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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