

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 reinitiated 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 established, implemented, and improved the quality management system according to the international standard of ISO 9001:2015, ISO13485:2016 and the requirement of MDD93/42/EEC. We also passed Beijing CMD quality management system certification and gained CE certification from Germany TV RHEINLAND.
- 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 rodlens process method has been used in many companies in our country. Our products got more than 20 prizes of our country. The cystourethroscope NP-1, open laparoscope KF-1 and hysteroscope XG-5 are national new products.

- 2011 NDRC made the medical endoscope protection system project as the national biomedical engineering high-tech industrialization demonstration project" and awarded the medal.
- 2012 "ShenDa Endoscope" was identified as "the famous brand of China" by State Administration of industry and commerce.
- 2013 The Project of "Thulium laser transurethral enucleation of the prostate endoscope" was identified as the key project of Liaoning Province Enterprise Technological Innovation
- 2014 Both "Neural endoscopic system" and "SOLASE dental diode laser" were identified as the key project of Liaoning Province Enterprise Technological Innovation.
- 2015 We was confirmed as "High-tech Enterprise" again by Science and technology department of Liaoning Province(according to the national standards)
- The series products of "ShenDa Endoscope" medical endoscope was awarded as "Shenyang Famous-Brand Product", "Liaoning Province Famous-Brand Product" in December 2016











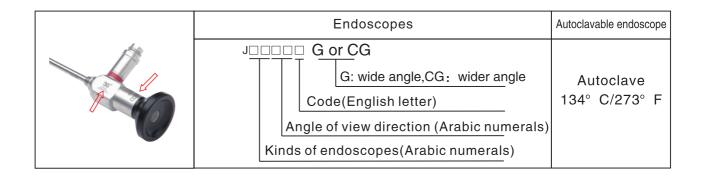




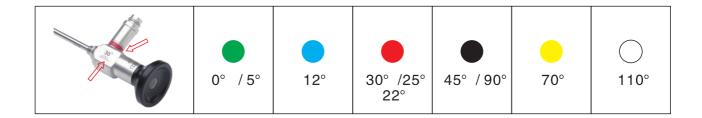




Code of endoscope



Mark of color code



How to connect the light cable



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

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UROLOGY

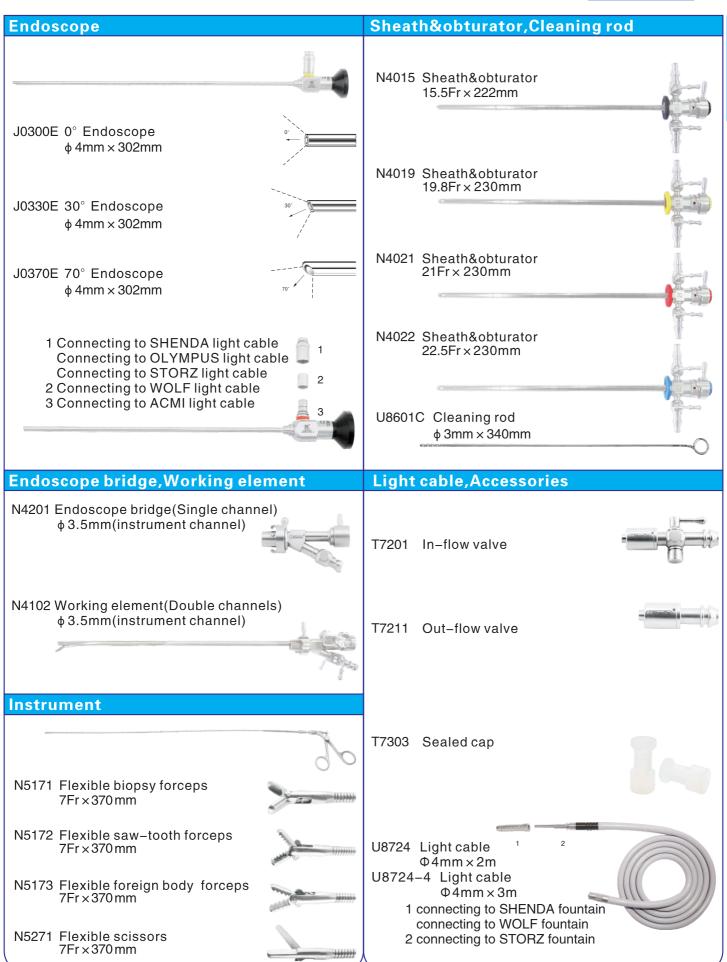


- Endoscope adopts imported stainless steel material
- Endoscope adopts German optic glass, light fiber and light cone
- Adopt the patented technology of rod optical lens, clear field of view
- With direction index, sapphire lens cover never abrasion
- Stainless steel valve, easy for maintenance, avoid damaging
- Handle wheel of working element has ups and downs indicator
- Rotating Locked type can be compatible with STORZ products
- Low temperature plasma sterilization can be used

The autoclavable endoscope can be chosen

J0370E N4102 N4021



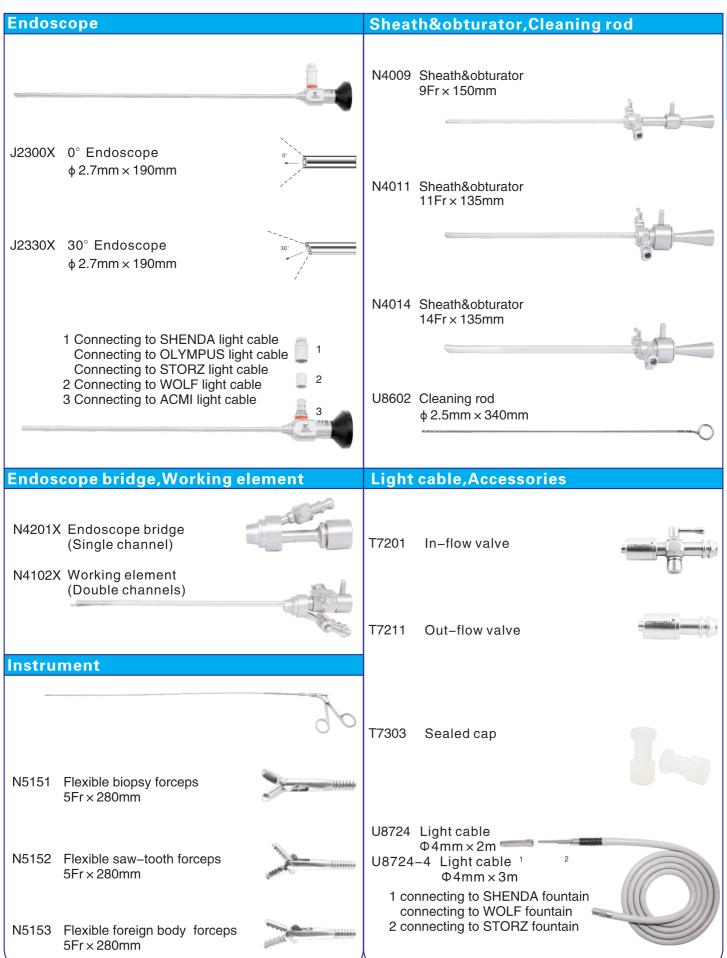


Cystoscope NP-3X (Child Type)

- 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
- Stainless steel valve, easy for maintenance, avoid damaging
- Handle wheel of working element has ups and downs indicator
- The autoclavable endoscope can be chosen







Resectoscope QD-2 (Rotating Locked)

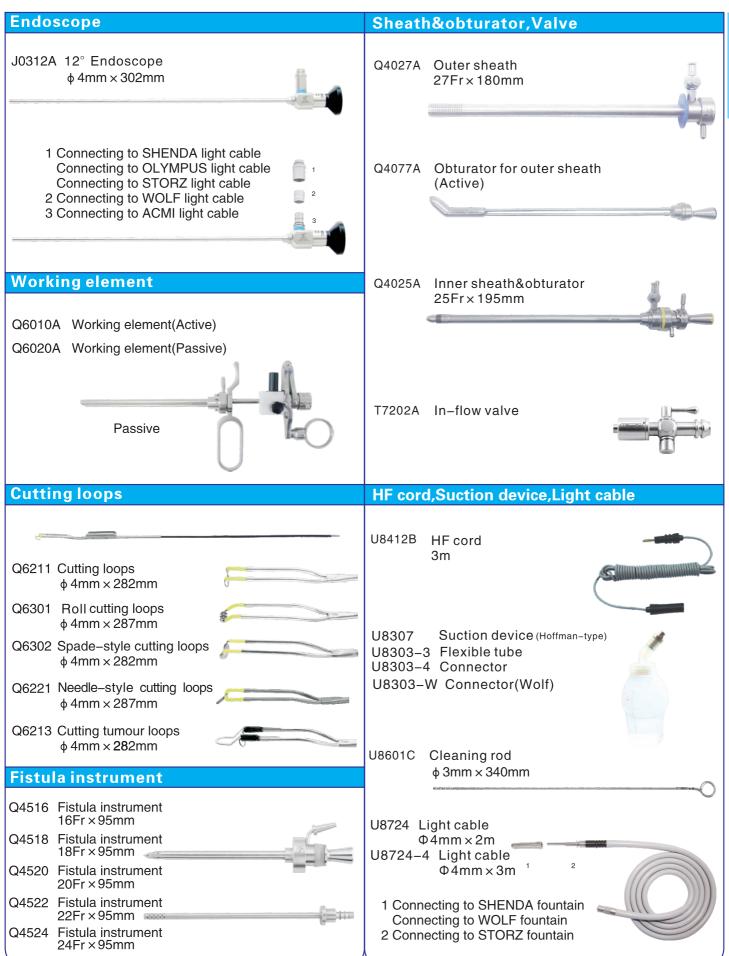
- Endoscope adopts imported stainless steel material
- Endoscope adopts German optic glass, light fiber and light cone
- Adopt the patented technology of rod optical lens, clear field of view
- With direction index, sapphire lens cover never abrasion
- Adopt high temperature and high intensity ceramic
- Big diameter stainless steel valve
- Active and passive can be chosen freely
- Stainless steel valve, easy for maintenance, avoid damaging
- When the inner sheath & outer sheath keep still, working element, endoscope and cutting loops can rotate 360° freely, with continuous perfusion

Low temperature plasma sterilization can be used









Resectoscope QD-2 (Snap-in and out)

- 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
- Adopt high temperature and high intensity ceramic
- Big diameter stainless steel valve
- Active or passive can be chosen freely
- Stainless steel valve, easy for maintenance, avoid damaging
- Low temperature plasma sterilization can be used

When the inner sheath & outer sheath keep still, working element, endoscope and cutting loops can rotate 360° freely, with continuous perfusion



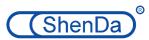


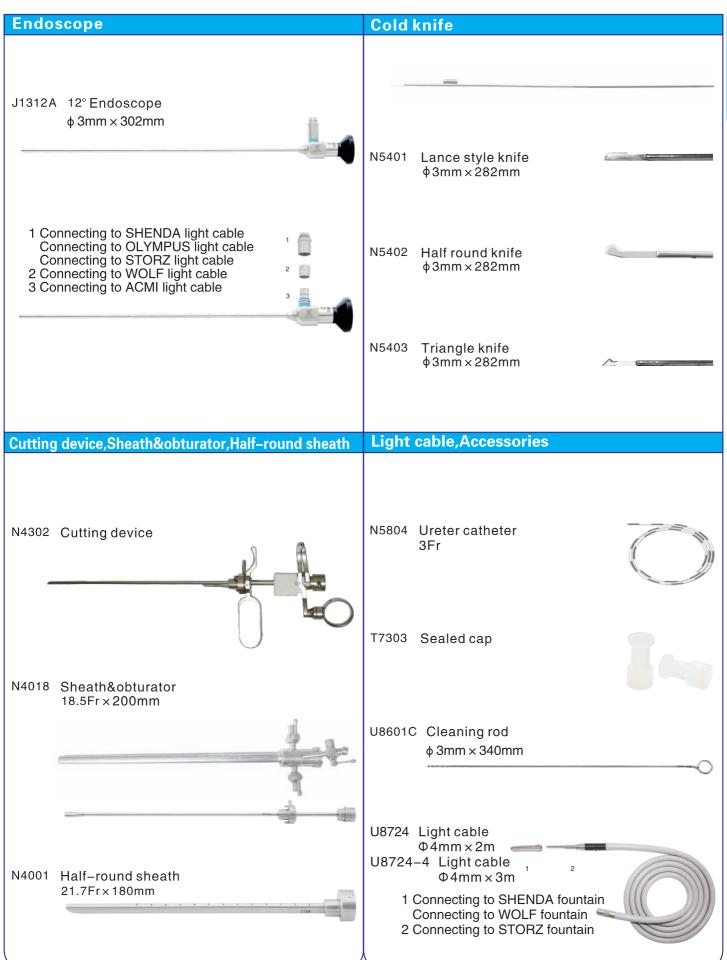


Urethrotome NQ-2

- 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
- Stainless steel valve, easy for maintenance, avoid damaging
- ◆ 3Fr guide wire can be inserted through the working valve of sheath, the inserted wire can guide the cold knife to work and insure the operation continue safely





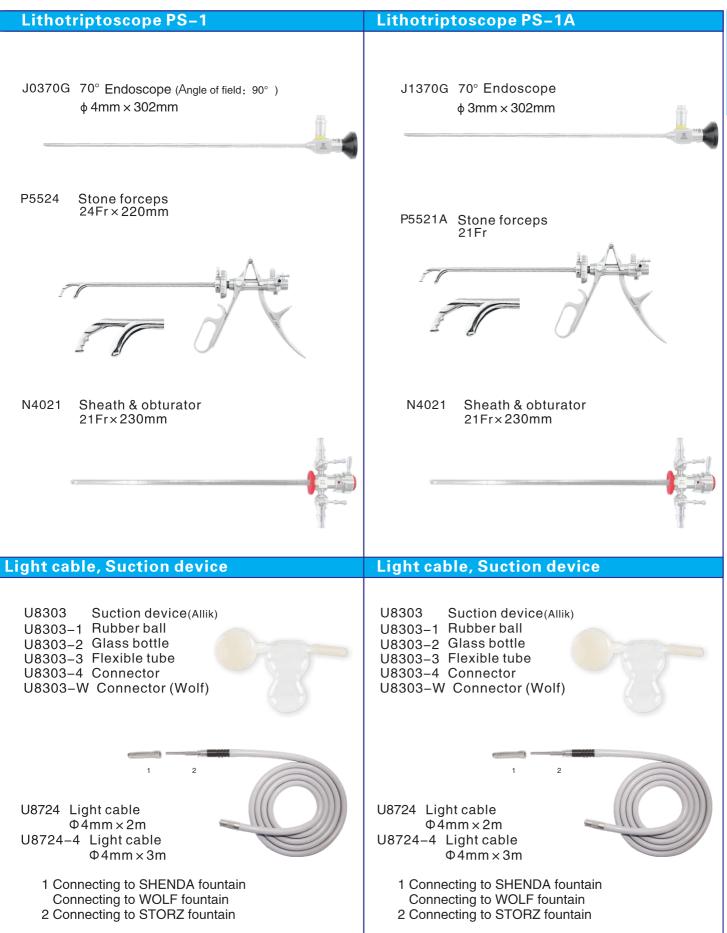


Lithotriptoscope(PS-1,PS-2)

- 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
- ◆ Stainless steel valve, easy for maintenance, avoid damaging





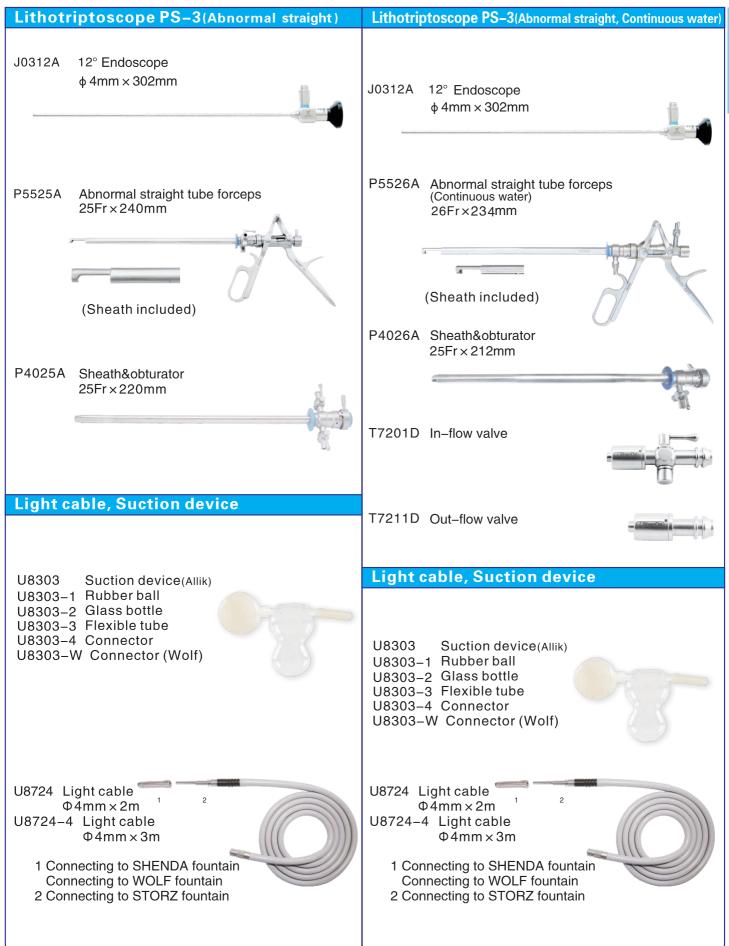


Lithotriptoscope(PS-3)

- Endoscope adopts imported stainless steel material
- ♦ Endoscope adopts German optic glass, light fiber and lightcone
- ◆ Adopt the patented technology of rod optical lens, clear field of view
- ♦ With direction index, sapphire lens cover, never abrasion
- ♦ Stainless steel valve, easy for maintenance, avoid damaging
- ♦ The autoclavable endoscope can be chosen
- The abnormal straight tube lithotriptoscope has better insertability, less trauma and convenient, simple operation
- Increasing the contact area of the abnormal straight tube lithotriptoscope and the calculi, with sharp lithotriptoscope mouth

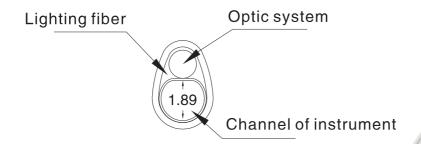






Ureteroscope SNJ-1

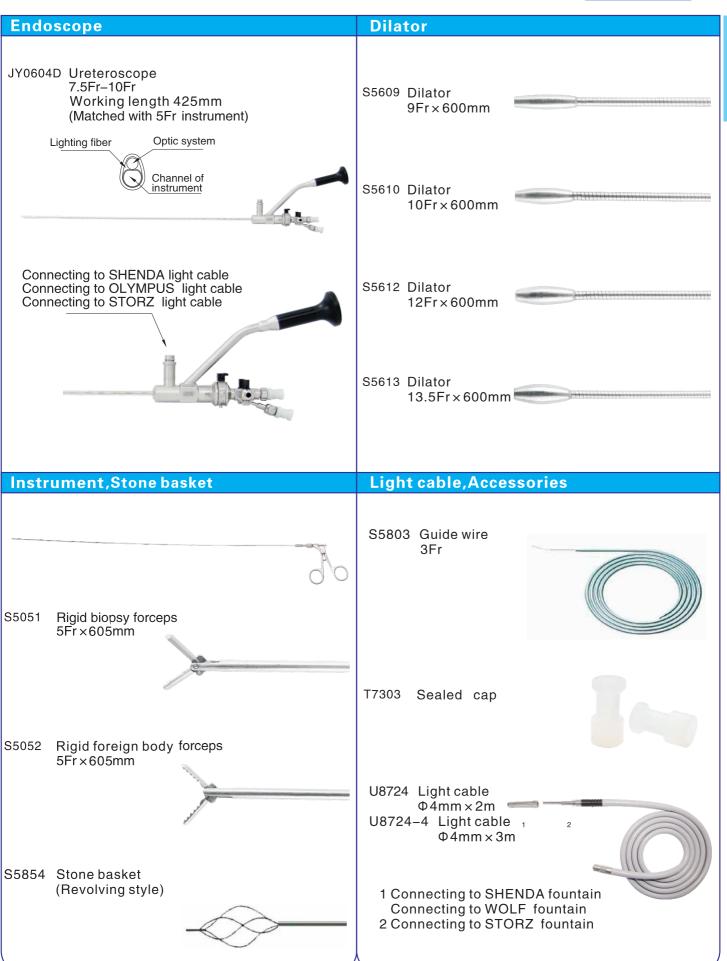
- Endoscope adopt imported stainless steel material, assembled in Germany
- Adopt the imported image bundles, can stand proper bending
- Eliminate the reticulate pattern in the field of view, make image clear
- With direction index, sapphire lens cover, never abrasion
- Sleek insert part, tapering outer sheath, avoid scratches
- The angle of direction is 15°, easy to observe the position of instrument in the field of view
- Separate endoscope from water valve and instrument, easy to disinfect and operate
- All instruments adopt imported stainless steel material
- Double water valves make the perfusion smooth





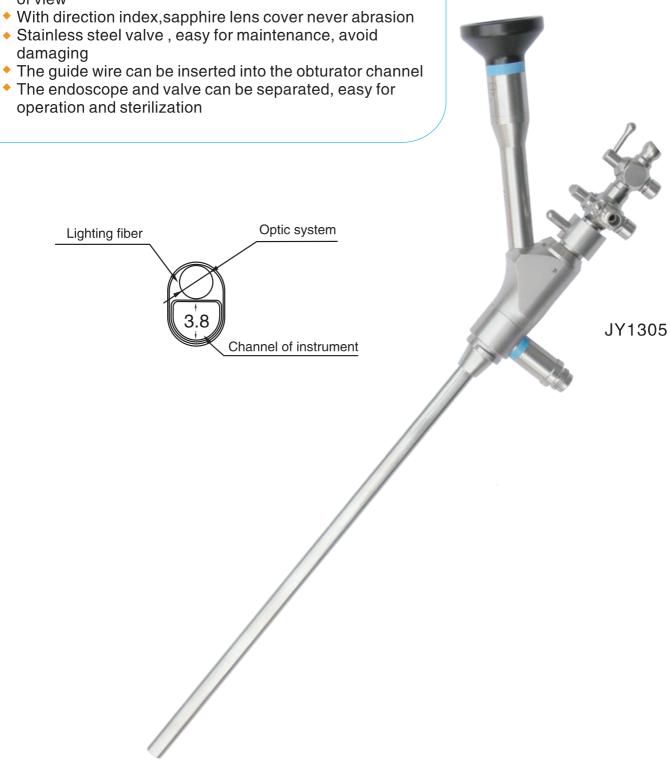
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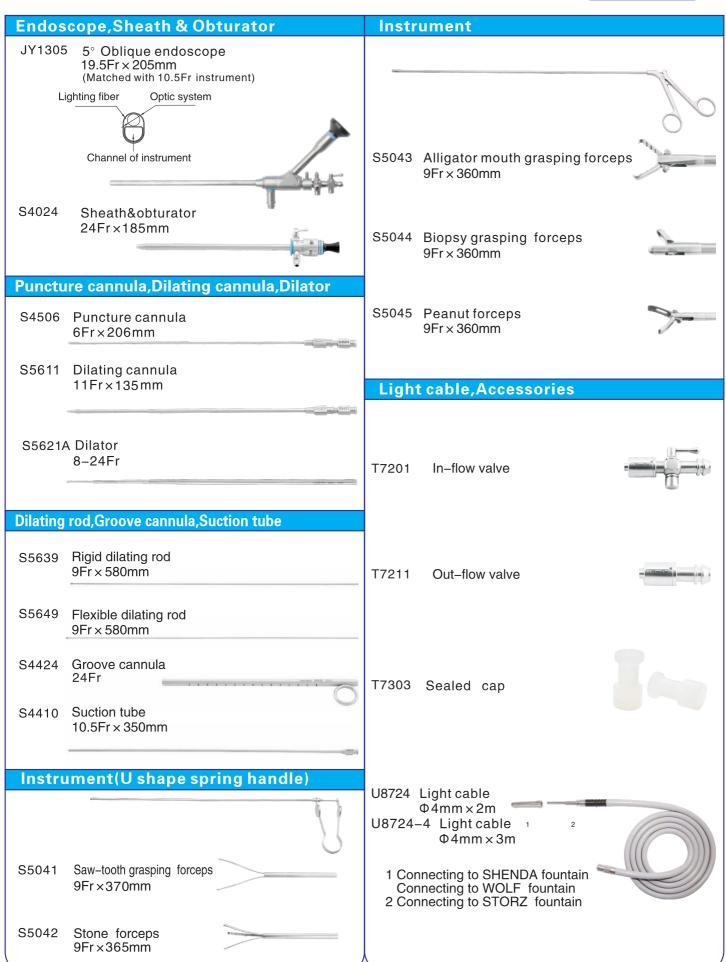


Transcutaneous nephroscope JS-1 (19.5Fr)

- Endoscope adopts imported stainless steel material
- Endoscope adopts German optic glass, light fiber and light
- Adopt the patented technology of rod optical lens, clear field
- damaging
- ◆ The endoscope and valve can be separated, easy for operation and sterilization





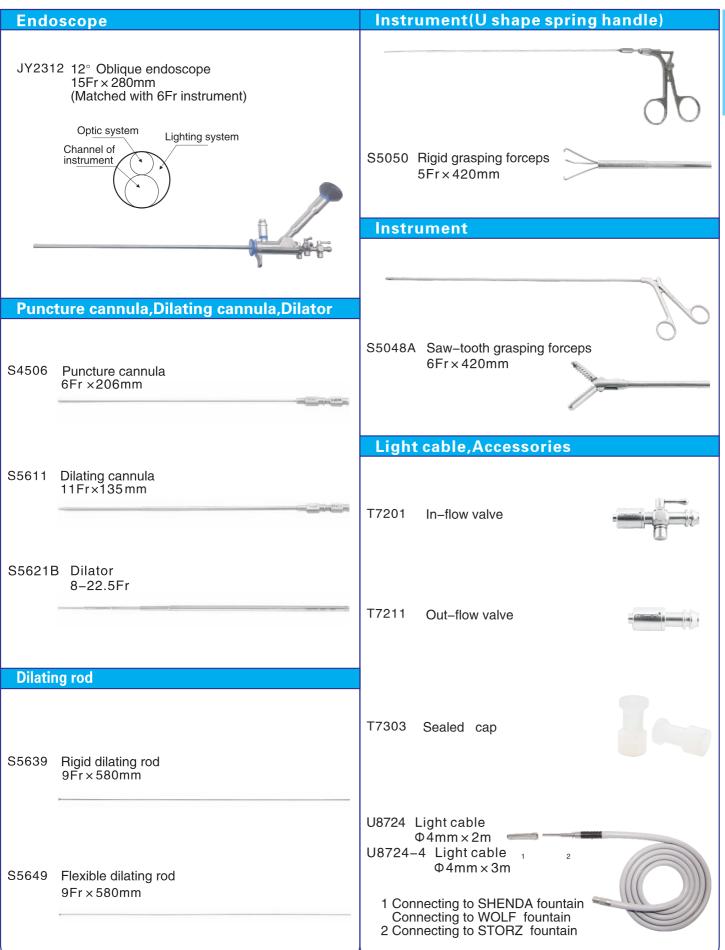


Transcutaneous nephroscope JS-1 (15Fr)

- 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
- Stainless steel valve, easy for maintenance, avoid damaging

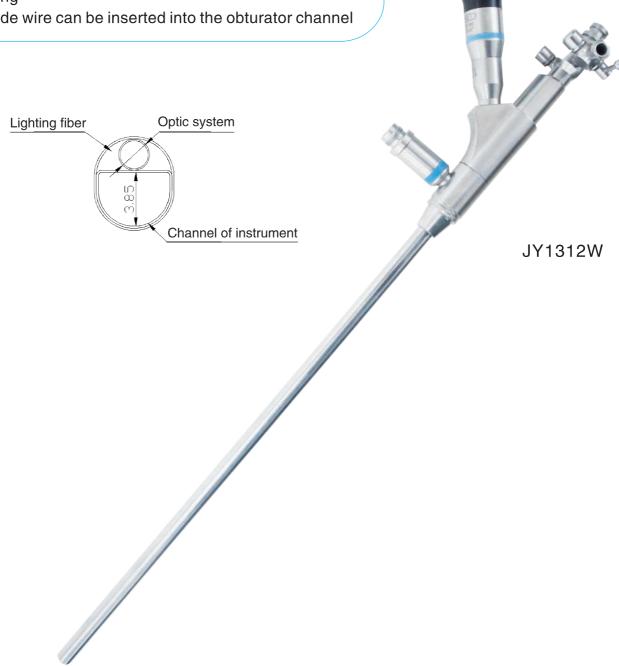






Transcutaneous nephroscope JS-1W (19Fr)

- Endoscope and scissors all adopt imported stainless steel material
- Endoscope adopts German optic glass, light fiber and light
- Adopt the patented technology of rod optical lens, clear field of view
- With direction index,sapphire lens cover never abrasion
- Stainless steel valve, easy for maintenance, avoid damaging
- The guide wire can be inserted into the obturator channel





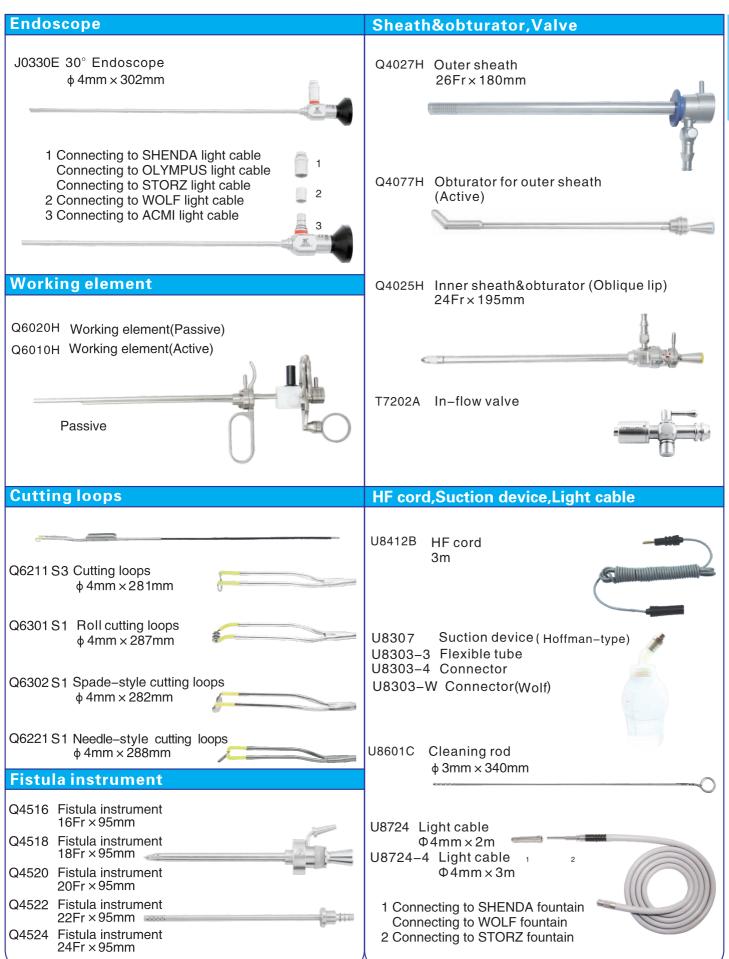
Endos	cope,Sheath & Obturator	Instrument
	N 12° Endoscope 19Fr×230mm	
S4024T	Outer sheath 24Fr × 150mm	S5043 Alligator mouth grasping forceps 9Fr × 360mm S5044 Biopsy grasping forceps
S4021T	Sheath & obturator 21Fr × 200mm	9Fr × 360mm S5045 Peanut forceps 9Fr × 360mm
Punctu	re cannula,Dilating cannula,Dilator	Light cable, Accessories
		Light cable, Accessories
S4506 S5611	Puncture cannula 6Fr×206mm Dilating cannula 11Fr×135mm	T7201 In–flow valve
S5621C	Dilator(Match with S4024T) 8–24Fr	T7211 Out-flow valve
1	CHANGE HOLE WAY	JY0530-0-15 Sealed cap
Dilating	rod,Groove cannula,Suction tube	
Dilating	od, droove cannula, suction tube	U8601C Cleaning rod
S5639	Rigid dilating rod 9Fr × 580mm	Φ 3mm × 340mm
S5649	Flexible dilating rod 9Fr × 580mm	U8724 Light cable Φ4mm×2m
S4424T	Groove cannula 24Fr×140mm	U8724–4 Light cable 1 2 Φ4mm×3m
S4410	Suction tube 10.5Fr × 350mm	Connecting to SHENDA fountain Connecting to WOLF fountain Connecting to STORZ fountain
Instrur	nent(U shape spring handle)	Accessories
		S4022T1 Outer sheath 22Fr × 150mm
S5041	Saw-tooth grasping forceps 9Fr×370mm	S4422T Groove cannula (match with S4022T1) 1
S5042	Stone forceps 9Fr×365mm	S5621D Dilator (match with S4022T1) 8-22Fr

Resectoscope QD-2/30°

- 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 unique 30° endoscope, more convenient and the view is wider
- Adopt high temperature and high intensity ceramic
- Big diameter stainless steel valve
- Stainless steel valve, easy for maintenance, avoid damaging
- When the inner sheath & outer sheath keep still, working element, endoscope and cutting loops can rotate 360° freely, with continuous perfusion
- The electrodes, working elements and endoscopes are compatible with Storz products

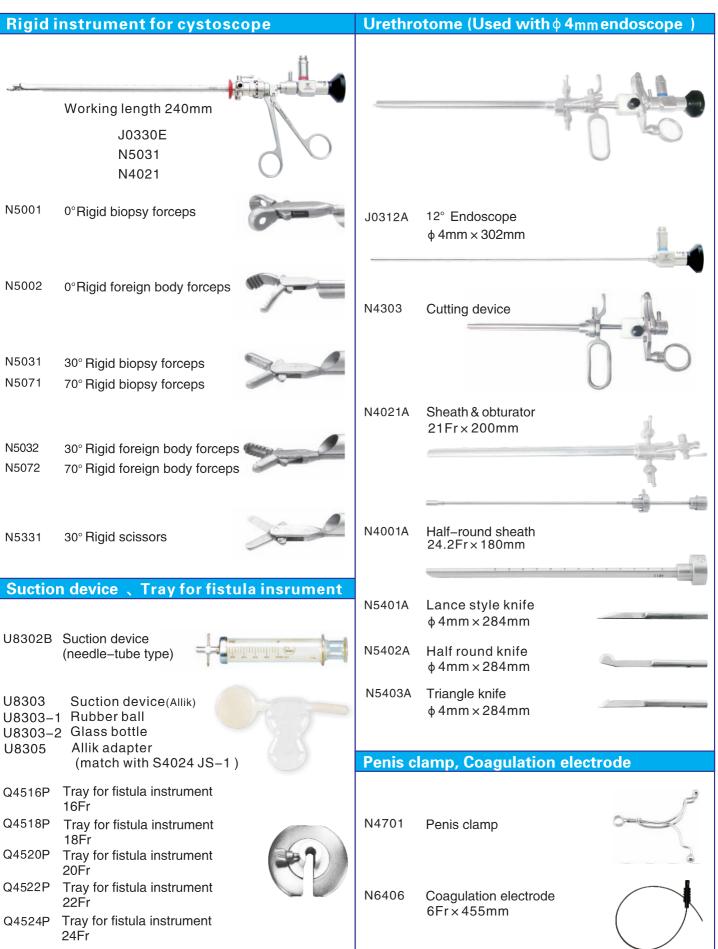






Endoscope Endoscope bridge N4202 Endoscope bridge (Double channels) J0300G 0° Endoscope(Angle of field: 90°) N4200 Endoscope bridge ϕ 4mm \times 302mm (Without channel) 0° Endoscope(Olympus connector) J0300B $\phi 4mm \times 281mm$ **Dilator** J2200T1 0°Endoscope $\phi 2.7$ mm $\times 302$ mm Multifunctional dilator 8-32Fr J0312YG 12°Endoscope(GYRUS connector) $\phi 4mm \times 300mm$ J0312B 12° Endoscope(Olympus connector) N5608 8Fr N5610 10Fr N5612 12Fr $\phi 4mm \times 280mm$ N5614 14Fr N5616 16Fr N5618 18Fr N5620 20Fr N5622 22Fr N5624 24Fr SD0325 25° Endoscope(WOLF connector) N5626 26Fr N5628 28Fr N5630 30Fr $\phi 4 \times 300.5$ mm N5632 32Fr 25° Endoscope(GYRUS connector) J0325GY ϕ 4mm \times 301.7mm Adjustable dilator J0330G 30° Endoscope (Angle of field: 90° $\phi 4mm \times 302mm$ Adjustable dilator J2330 30° Endoscope N5640 φ 2.7mm × 302mm 17-30Fr J3330 30° Endoscope \$\phi 2.9mm \times 302mm J0330YG 30° Endoscope (GYRUS connector) $\phi 4mm \times 301mm$ Visiable urethra-diator SD0330 30° Endoscope (ACMI connector) $\phi 4 \text{mm} \times 301 \text{mm}$ N5642 Visiable urethra-dilator (8Fr-26Fr) J0330B 30° Endoscope(Olympus connector) $\phi 4mm \times 281mm$ J0345E 45° Endoscope $\phi 4mm \times 302mm$ 8Fr Head of dilator J2370 70° Endoscope 10Fr Head of dilator $\phi 2.7 \text{mm} \times 302 \text{mm}$ 12Fr Head of dilator SD0370 70° Endoscope (WOLF connector) 15Fr Head of dilator ϕ 4mm \times 303mm 18Fr Head of dilator J0370B 70° Endoscope(Olympus connector) 20Fr Head of dilator ϕ 4mm \times 282mm 24Fr Head of dilator J03110C 110° Endoscope (Storz connector) $\phi 4mm \times 302mm$ 26Fr Head of dilator







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</p>
- 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



U9110 SD-LED LED light source

PRODUCT FEATURE

- ◆ Adopt LED lamp with long service life and high brightness.
- No delays, lighting as soon as your open and having memory function without frequently-flash.
- Free of ultraviolet and infrared ray.
- Brightness is adjustable and easy to use.
- LED lamp is good for shock resistance and convenient to transport.
- LED lamp adopts semiconductor as luminescent materials without any harmful substance.

PRODUCT PARAMETER

- 30W LED Lamp
- ◆ Output aperture: Ø10mm
- Total luminous flux: 410lm
- Color Temperature: 3000K ~ 7000K
- CRI (color rendering index): no less than 90

DGD-300B-2 Intelligent HF Electrotome



U9331 DGD-300B-2 Intelligent HF Electrotome

Monopolar:

- Working frequency: 450KHz
- ◆Rated input power: 1100VA
- ◆Output power:

Compound electrotomy1:300W Compound electrotomy2:250W Compound electrotomy3:150W

Powerful coagulation: 120W Spraying coagulation: 100W

◆ Power supply: 220 ± 22V 50 ± 1Hz

Biopolar:

- Biopolar foot control coagulation:70W
- Automatic biopolar coagulation:70W
- ◆Biopolar automatic output
- Low voltage biopolar output, and with automatic switching of monopolar and biopolar
- Fit for various endoscopic surgery

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 -1000 J



U9421 Peritoneum cleaner QXQ –1000J

Peritoneum Cleaner QXQ—1000 J 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: 75 ± 5KPa Suction pressure: -65 ± 5KPa

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.



BXQ Computer powerful chipping device with Screen



BXQ Computer powerful chipping device

PRODUCT FEATURE

- ◆ LCD touch screen
- ◆ Speed setting range: 500-6000 (round per minute) (FWD. and REV.), 500-4000 (round per minute) (OSC.), tolerance is ± 15%; Speed adjustable
- Flushing: The controller with flushing feature
- Suction: The host has suction function, and the suction can be control independently, 60kPa-suction pressure
- ◆ The max output torque of handheld motor should not less than 36mN.M
- ◆ Suction channel, aperture is not less than 2.8mm
- Flushing linkage control: When the flushing switch is in the open state, stepping on the foot switch, it will flush automatically and then releasing the foot switch it will stop as well

♦SNR:60 dB

♦ Shutter: 1/60s-1/10,000s

♦ White balance: automatic/manual

◆Signal gain: automatic

Colour mini camera (1CCD)



U9718 Colour mini camera (SD-618)

PRODUCT PARAMETER

- \bullet Camera size: Φ 32 \times 60(mm)
- ♦ Resolution: PAL
- Scanning standard: 600 lines
- ♦ Minimal illumination: ≤14Lux
- ♦ Outputs: RGB、CVBS、DVI
- ◆Camera head: 1/3" SONY 1 chip waterproofing camera head
- ◆ Extended function: U Flash disk 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.
- ◆Image magnification,30X at working distance.
- ◆Image can freeze and save, support U Flash-disk dynamic storage. True color reduction
- ◆Lemo waterproof connectors, over 100,000 times usage.
- ◆ Completely waterproof camera head, conform to CE highest standard IPX8, which can be disinfected by immersed
- ◆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.
- Automatic white balance

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

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.
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- ◆Image magnification, 30X at working distance.
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PRODUCT PARAMETER

♦SNR:60dB

◆Resolution : PAL

♦ Shutter: 1/60s - 1/10,000s

◆Scanning standard: 600 lines

◆Singnal gain: automatic

♦ Minimal illumination : ≤ 14Lux

♦ White balance : automatic/manual

♦ Outputs : RGB CVBS DVI

◆Camera head: 1/3" SONY 1 chip waterproofing camera head

◆Extended function: U Flash disk Dynamic/Static storage

- ◆U9718 Colour mini camera (SD-618)
- ♦U9712 Colour monitor
- ◆U9111 High intensity cold light source
- ◆U9401 Automatic high flow CO2 insufflator
- ◆U9523 Perfusion pump for endoscope
- ♦U9820 Alloy car



HD Camera System (With Screen)



U9768P HD Camera System (SD-HD668P)

Product Feature

Application of the Camera System

Endoscopic camera system is a kind of medical mini color camera which is specially designed for the endoscope. It is connected with the medical endoscope and used in the diagnosis and surgery by observing the body cavity image through the monitor.

- ◆ HD output: 1920 (H) ×1080 (V) (2.073 megapixel);
- True color reduction with color free to adjust;
- Image freeze and storage;
- White balance is adjustable;
- ◆ Support U disk to save the HD dynamic and?static image;
- ♦ HDMI、DVI、LAN video output;
- Waterproof camera;
- menu memory to switch different mode;
- Having the internet access (or WIFI) to give the feature of remote, network and integration.;
- grid hiding for fiber-optic;
- ◆ PAL and NTSC are optional to apply to different countries and region;
- Having the feature of image freeze, magnification and vertical and horizontal mirrors image;
- Position of the displayed image is adjustable.

HD Camera System (Without Screen)



U9768 HD Camera System (SD-HD668)

Product Feature

- ◆Full HD and real color reduction
- ♦16:9 HD output
- Color is adjustable freely
- Image freeze and storage
- ◆Support USB to save the dynamic and static image
- ◆The displaying position is adjustable
- ◆Menu memory to switch different mode
- ◆IPX8 waterproof camera head
- ◆Support many video outputs
- PAL and NTSC can be selected to apply for different countries and regions.
- ◆Support grid hiding for fiberscope

Panasonic Monitor (EJ-MLA26C1 HD Monitor)



EJ-MLA26C1 HD Monitor

- ◆ Screen size:26" (aspect ratio: 16:9)
- Pixel: 2073600(1920x1080)
- Visible angle: horizontal:178°, vertical:178°
- Video input
- Video output
- S Video output
- SDI input
- DVI–D input
- DVI–D output
- RGB/YPBPR input
- ◆ RS-232C
- GPI input
- SDI output

Shenda Monitor



Model	MS19SDA	MS220S	MS247S	MS260SP
Screen Size	19	21.5	24	26
Max Resolution	1280*1024	1920*1080	1920*1200	1920*1080
Brightness	250cd/m ²	250cd/m ²	300cd/m ²	450cd/m ²
Contrast	1000 : 1	1000 : 1	1000 : 1	1400 : 1
Viewing Angle	178/178	178/178	178/178	178/178
Response Time	8MS	14 MS	14MS	18 MS
Input Interface	DVI/VGA/VIDEO/S-VIDEO/RGB/YPBPR		DVI/VGA VIDEO/S-VIDEO/RGB/YPBPR/ SDI	
Output Interface	VIDEO/S-VIDEO	VIDEO/S-VIDEO/SDI	DVI/ SDI/VIDEO/S-VIDEO	VIDEO/S-VIDEO/SDI
Application	Electronic-gastrointestinal Endoscope/Thoracoscope/Laparoscope/Hysteroscope/Surgical			
	field display syste	em		

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(SMT-1935/SMT-2233)



Samsung SMT Monitors

Model	SMT-1935	SMT-2233
Screen size	19"	22" (Wide screen)
Max Resolution	1,280 × 1,024	1,920 × 1,080
Brightness	250cd/m2	300cd/m2
Contrast	1,000:1	1,000:1
Viewing Angle(H/V)	170° /160°	170° /160°
Response time	5ms	5ms
Video system	NTSC/PAL	NTSC/PAL
Interface	BNC/USB/HDMI	BNC/USB/HDMI/A



Industrial Endoscope			
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	Name	Code	Specification
	1 Industrial Endoscope	J4000	0°, φ4mm×380mm
	2 Industrial Endoscope	J040008302	0°, ф8mm×302mm
	3 Industrial Endoscope	J040006060	0°, φ6mm×60mm
	4 Industrial Endoscope	J040004420	0°, φ4mm×420mm
	5 Industrial Endoscope	J040030400	0° , φ 3mm × 400mm
	6 Industrial Endoscope	J040052302	0° , φ 5.2mm × 302mm
	7 Industrial Endoscope8 Industrial Endoscope	J040052175 J040012120	0°, φ5.2mm×175mm 0°, φ1.2mm×120mm
	9 Industrial Endoscope	J040012150	0°, φ1.2mm×150mm
	10 Industrial Endoscope	J040012160	0°, φ1.2mm×160mm
	11 Industrial Endoscope	J040004540	0°, φ 4mm × 540mm
-	12 Industrial Endoscope	J040050175	0°, φ5mm×175mm
•	13 Industrial Endoscope	J040006400	0°, φ6mm×400mm
	14 Industrial Endoscope	J040060380	0°, φ6mm×380mm
/	15 Industrial Endoscope	J040052500A	0°, φ5.2mm×500mm
/	16 Industrial Endoscope	J040027140	0°, ¢2.7mm×140mm
	17 Industrial Endoscope	J040010500	0°, φ10mm×500mm
/	18 Industrial Endoscope	J0400354	0°, ф 5.2mm × 354mm
/	19 Industrial Endoscope	J040016250	0°, φ1.6mm×250mm
/	20 Industrial Endoscope	J2600380	0°, φ8mm×380mm
	21 Industrial Endoscope	J2600A803	0°, φ6mm×803mm
/	22 Industrial Endoscope	J0600	0°, φ6mm×450mm
/	23 Industrial Endoscope	J5000	0°, φ4mm×200mm
/	24 Industrial Endoscope	J0400	0°, φ5.2mm×420mm
/	25 Industrial Endoscope	J040008450	0°, φ8mm×450mm
/	26 Industrial Endoscope	J1400	0°, φ3mm×55mm
Industrial Endoscope	27 Industrial Endoscope	J1400B	0°, φ3mm×304mm
·	28 Industrial Endoscope	J043010340	30°, φ10mm×340mm
	29 Industrial Endoscope	J043006400	30°, φ 6mm × 400mm
	30 Industrial Endoscope	J047006300	70°, φ 6mm × 300mm
	31 Industrial Endoscope	J047004380	70°, ¢4mm×380mm
	32 Industrial Endoscope	J047008302	70°, φ8mm×302mm
	33 Industrial Endoscope	J047006540	70°, φ6mm×540mm
	34 Industrial Endoscope35 Industrial Endoscope	J047004200 GTD1	70°, φ4mm×200mm
	36 Industrial Endoscope	J047006600	70°, φ4mm×420mm 70°, φ6mm×600mm
	37 Industrial Endoscope	J047006655	70°, φ 6mm × 665mm
	38 Industrial Endoscope	J047004540	70°, φ4mm×540mm
	39 Industrial Endoscope	J047035302	70°, \$\phi 3.5mm \times 302mm
	40 Industrial Endoscope	GTD2670B380	70°, φ6mm×380mm
	41 Industrial Endoscope	J2670A803	70°, φ 6mm × 803mm
	42 Industrial Endoscope	J0770T	70°, φ8mm×350mm
	43 Industrial Endoscope	J0370500	70°, φ4mm×503mm
	44 Industrial Endoscope	GTD	70°, φ4mm×380mm

Industrial Endoscope



Name	Code	Specification
45 Industrial Endoscope	GTD(g)	70° , ϕ 4mm \times 380mm
46 Industrial Endoscope	J1690300	90° , $\phi 6mm \times 300mm$
47 Industrial Endoscope	J049006350	90° , ϕ 6mm \times 350mm
48 Industrial Endoscope	J0690D	90° , $\phi 8mm \times 340mm$
49 Industrial Endoscope	J049006450	90°, φ6mm×450mm
50 Industrial Endoscope	J049006580	90° , $\phi 6mm \times 580mm$
51 Industrial Endoscope	J049008450	90°, φ8mm×450mm
52 Industrial Endoscope	J049006380	90° , ϕ 6mm \times 380mm
53 Industrial Endoscope	J049010500	90°, φ10mm×500mm
54 Industrial Endoscope	J049010360	90° , $\phi 10mm \times 375mm$
55 Industrial Endoscope	J049010300	90°, φ10mm×300mm
56 Industrial Endoscope	J0690A	90° , $\phi 8mm \times 300mm$
57 Industrial Endoscope	J0690B	90° , $\phi 8mm \times 700mm$
58 Industrial Endoscope	J0690C	90° , $\phi 8mm \times 426mm$
59 Industrial Endoscope	J0690	90° , ϕ 6mm \times 455mm
60 Industrial Endoscope	J1690	90° , $\phi 6mm \times 504mm$

Endoscope disinfection box, **Instruments disinfection box**



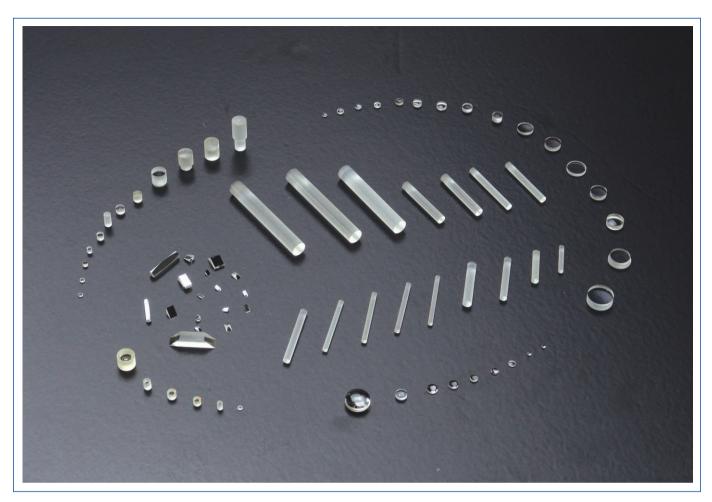
Endoscope disinfection box



Instruments disinfection box

Name	Specification	Note
Laparoscope instruments	525mm × 300mm × 155mm	For instruments
Laparoscope instruments	540mm × 230mm × 70mm	For instruments
Endoscope instrument	550mm × 250mm × 70mm	For instruments
Laparoscope instruments	550mm × 250mm × 100mm	For instruments
Power-driven uterectomy	540mm × 250mm × 135mm	For instruments
Operating laryngoscope	435mm × 210mm × 90mm	For instruments
Resectoscope instruments	420mm × 280mm × 90mm	For instruments
Sinuscope instruments	360 mm $\times 260$ mm $\times 90$ mm	For instruments
Ureterscope	730mm × 200mm × 100mm	For instruments
Ureterscope	660mm × 140mm × 80mm	For instruments
Endoscope instrument	425mm × 84mm × 42mm	For instruments
Endoscope instrument	270mm × 84mm × 42mm	For instruments
Hysteroscope	360mm × 140mm × 85mm	For instruments





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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