



Frank



Full HD endoscopic system

- Medical Naked-Eye 3D Display
- 3D-4K 2-in-1 Gastrointestinal Endoscopy System
- Endoscopy Equipment

— **Welcome OEM Customization** —



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Suzhou Frank

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PRODUCT CONTENT

ABOUT US

Leveraging its comprehensive range of premium products and technical services, the company continuously empowers medical institutions, research institutes, and medical education organisations, driving sustained advancement in diagnostic precision, surgical safety, and talent development within the healthcare sector.

01	Endoscopy System	1-16
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► Precise surgical navigation system

- 4K UHD Imaging
- High Precision
- Ultra-sensitive Dual System
- Super Strong Reduction
- Dual System

Scope of application

Thoracic surgery,
hepatobiliary surgery,
gynecology, urology,
gastrointestinal surgery

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Configuration and Parameters

Configuration and Parameters					
Medical 4K Monitor	4K Medical Monitor		3840x2160 Laminated Display		
4K Fluoroscopy Imaging System	4K Camera Host with 7-inch Touchscreen	4K Ultra HD 3840x2160	4K Fluorescent Camera	Dual CMOS	Lens Mount
LED Cold Light Source	Fluorescent LED: 120W		Light Guide Beam: 4x3000mm		
Medical Cart	FK-N021 Endoscopy Dedicated Tiered Cart		Swivel Casters		Silent Lock
Pneumatic Distension Machine	FK-3001 30L with Heating		Exhaust Function		
4K Fluoroscopic Laparoscope	Φ5.4x305x30°				

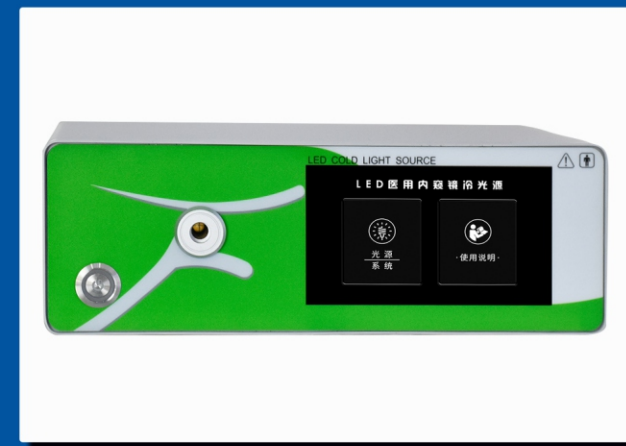
► 4K Fluoroscopy Imaging System

Name	4K Fluoroscopy Imaging System		
Camera	9,000,000 pixel 3*1/2.8"CMOS		
Resolution	3840(H)*2160(V)		
Definition	2100 Lines		
Minimum illumination	0.3Lux		
Video output	HDMIX2	USB3.0X2	LAN
Shutter speed	1/60~1/60000(NTSC)		1/50~50000(PAL)
Camera cable	2.8m		Length Customized
Power	85~264VAC		

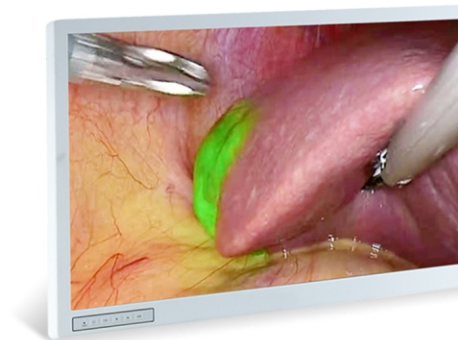


► LED cold light source

Name	LED cold light source	
Output power	140W/120W/100W	
Long life	≥50000Hours	
Color temperature	3000-7000k	
Brightness	≥1600000lx	
Dimming mode	Touch button, PWM can set a variety of working curves, Automatic temperature detection and control colour rendering index ≥93	
Light cable	F4.8,3000mm autoclavable	



► Medical 4K monitor



Model	HD-2110W	HD-2410W	HD-2710W	HD-3210W	HD-5510W
Screen Size	21”	24”	27”	32”	55”
Resolution	1920X1080	1920X1080 3840X2160	1920X1080 3840X2160	1920X1080 3840X2160	1920X1080 3840X2160
Aspect Ratio	16:9				
Power	12V	24V	85~264VAC 50/60Hz		
Colour Tone	16.7mm				
Brightness(cd/m ²)	450	750	1000	1100	1100
Viewing Angle	178H/178V				
Boot speed	1ms				
Interface	USB,HDMI,DVI,VGA,AV*3,Aud*2			HDMI*3,DP, Aud	HDMI*2,DVI,VGA, BNC*2,USB,Input*2, Output*2,LAN



Medical 4K optical coupler(Zoom/Fixed focus)

Resolution	4096(H)*2160(V)								
Zoom specifications	14-32mm					18-35mm			
Fixed focus specifications	13mm	16mm	18mm	20mm	22mm	24mm	28mm	32mm	35mm
Portable operation	Ergonomic design for easy operation								



► FHD 1200P

- White balance
- Video playback
- Freezing
- phototaking
- Video recording
- Storage

Applicable departments

Gynecology, urology,
hepatobiliary surgery,
orthopedics,
otolaryngology,
neurosurgery,
cosmetology
and other examinations
and operations



► HD 1080P

- White balance
- video recording
- Freezing
- phototaking
- Video recording
- Storage

Applicable departments

Gynecology, urology,
hepatobiliary surgery,
orthopedics,
otolaryngology,
neurosurgery,
cosmetology
and other examinations
and operations



HD-910 Product Parameter

Camera device	2,600,000 pixels 1/1.8 "CMOS				
Resolution	1920(H)*1200(V)				
Definition	2100 Lines				
Minimal illumination	0.3Lux				
Video output	SDI	BNC	DVI	HDMI	USB
Camera cable	2.8m		Special lengths can be customized		
Shutter speed	1/60~1/60000(NTSC)		1/50~50000(PAL)		
Power supply	85~264VAC				
Language	Chinese	English	Russian	Japanese	Spanish can be switched

HD-810 Product Parameter

Camera device	2,000,000 Pixels 1/2.8"CMOS								
Resolution	1920(H)*1080(V)								
Definition	1080 Lines								
Minimal illumination	0.3Lux								
Video output	SDI	BNC	AOUT	AIN	DVI	HDMI	VGA	LAN	USB
Shutter speed	1/60~1/60000(NTSC)				1/50~50000(PAL)				
Camera cable	2.5m				Special lengths can be customized				
Power supply	85~264VAC								
Language	Chinese	English		Russian		Japanese		Spanish can be switched	

►4K/2-in-1 Endoscopy System

【Camera + light source 2 in 1】

Advantages department

It clearly displays submillimeter structures such as minute nerves capillaries, and lymphatic vessels offering exceptional stereoscopic depth and ultra-high fidelity.Even a single capillary or thin fascia can be rendered with remarkable clarity. This provides surgeons with an immersive visual experience, effectively reducing surgical complexity, enhancing precision, and ensuring safe and efficient procedures.

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►Gastrointestinal 2-in-1 Endoscopy System

【Camera + light source 2 in 1】

Advantages department

Gastrointestinal endoscopy is employed for examining the oral cavity, oesophagus, stomach, duodenum, and colon, as well as for performing biopsies, removing foreign bodies, and excising small lesions.

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FK-610 Product Parameter

Camera	9,000,000 pixel 1x1.8"CMOS				
Resolution	3840(H)x2160(V)				
Definition	2100 Lines				
Minimal illumination	0.3Lux				
Video output	USB3.0X2	HDMIX2		LAN	
Shutter speed	1/60~1/60000(NTSC)		1/50~50000(PAL)		
Camera cable	2.8m		Special lengths can be customized		
Power supply	85~264VAC				
Language	Chinese	English	Russian	Japanese	Spanish can be switched

FK-580 Product Parameter

Sensor technology	CMOS	
Resolution	1 million HD pixels	
Viewing angle	140 °	
LED illumination	≥20W Lx	
Video output	VGA	HDMI
Spectrum Range	400-700nm	
Color Temperature	≥5500K	
Power supply	AC 85~264V	
LED Lamp power	100W	
Long life	≥20000Hours	
Air pressure and gas flow	Air pressure: 30~60KPa, air flow: 4~10L/min Air pump adjustment:0 to 3 is adjustable	

► Camera + light source 2 in 1

Camera panel function menu to achieve a variety of operations

Applicable department

Department of gynaecology, otolaryngology, orthopedic cosmetic department and other routine examination and surgery.

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► 4K-2160P

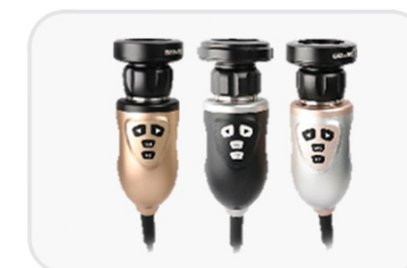
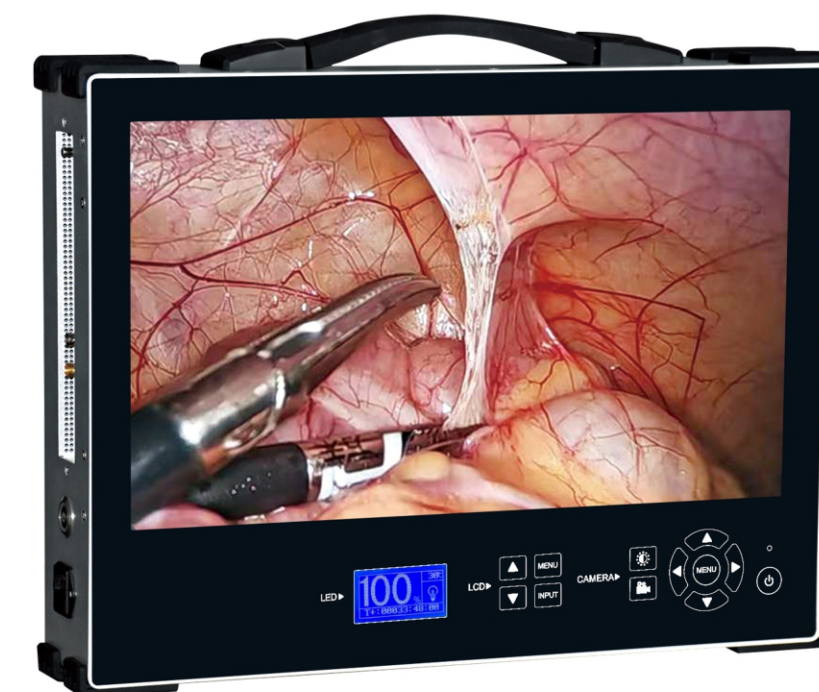
【Camera + light source + screen + Recording 4in1】

- 4K UHD Imaging
- High Precision
- Super Strong Reduction

Advantages department

Primary color, long depth of field, fatigue relief, manual white balance, freeze key, USB video storage key, take photos, store, video, remote control, consulting training program

4K



Model	HD720		HD820		
Camera	1,800,000 Pixels 1/3 "Sony		2,000,000 pixels 1/2.8"CMOS		
Resolution	1560(H)*900(V)		1920(H)x1080(V)		
Definition	900 Lines		900 Lines		
Minimal illumination	0.1Lux		0.3Lux		
Video output	BNC*2		SDI,BNC,AOUT,AIN,DVI,HDMI,VGA,LAN,USB		
Shutter speed	1/60~1/60000(NTSC) 1/50~50000(PAL)				
Camera cable	2.5m		Special lengths can be customized		
Power supply	85~264VAC				
LED Lamp power	100W				
Long life	≥50000Hours				
Language	Chinese	English	Russian	Japanese	Spanish can be switched

HD-390 Product Parameter

Camera	9,000,000 pixels 1*1/1.8”CMOS				
Resolution	3840(H)*2160(V)				
Video output	HDMIX2		USB3.0X2		LAN
Handle wire	2.9m		Special lengths can be customized		
LED Lamp power	140W				
Long life	≥50000Hours				
Power	85~264VAC				
Monitor	24”				
Language	Chinese	English	Russian	Japanese	Spanish can be switched

FHD-1200P

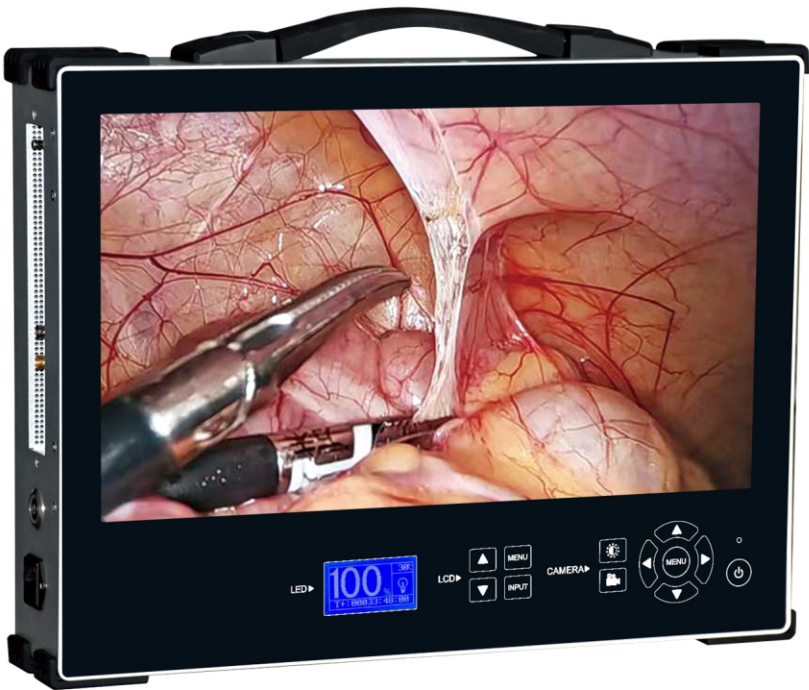
【Camera+light source+screen+Recording 4 in 1】

Camera panel function menu to achieve a variety of operations

Advantages department

Primary color, long depth of field, fatigue relief,manual white balance, freeze key,USB video storage key, take photos, store, video,remote control,consulting training program

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UHD-1300P

【Camera+light source+screen+Recording 4 in 1】

Camera panel function menu to achieve a variety of operations

Advantages department

Primary color, long depth of field, fatigue relief,manual white balance, freeze key,USB video storage key, take photos, store, video,remote control,consulting training program

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HD-370 Product Parameter

Camera	2,600,000 pixels 1/1.8"CMOS				
Resolution	1920(H)*1200(V)				
Video output	HDMI	SDI	DVI	BNC	USB
Handle wire	2.8m		Special lengths can be customized		
LED Lamp power	120W				
Long life	≥50000Hours				
Power	85~264VAC				
Monitor	21"		24"		27"
Language	Chinese	English	Russian	Japanese	Spanish can be switched

HD-380 Product Parameter

Camera	3,000,000 pixels 3X1/2.8”CMOS				
Resolution	1920(H)*1300(V)				
Video output	3G-SDI	DVI	VGA	HDMI	USB
Handle wire	2.8m		Special lengths can be customized		
Power supply	85~264VAC				
LED Lamp power	120W				
Long life	≥50000Hours				
Monitor	24”				
Language	Chinese	English	Russian	Japanese	Spanish can be switched

►HD-1080P

【Camera+light source+screen+Recording 4 in 1】

Camera panel function menu to achieve a variety of operations

Advantages department

White balance, high-definition freezing, photo-taking, video storage, The color is true, the image is delicate, and the depth of field is longer.

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►FHD-1200P

【Camera+light source+screen+Recording 4 in 1】

Camera panel function menu to achieve a variety of operations

Advantages department

White balance, high-definition freezing, photo-taking, video storage, The color is true, the image is delicate, and the depth of field is longer.

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HD-320 Product Parameter

Camera	2,000,000 Pixels1/2.8"CMOS				
Resolution	1920(H)*1200(V)				
Definition	1080 Lines				
Video output	HDMI	SDI	DVI	BNC	USB
Shutter speed	1/60~1/60000(NTSC)		1/50~50000(PAL)		
Camera cable	2.8m		Special lengths can be customized		
Power supply	85~264VAC				
LED Lamp power	100W				
Long life	≥50000Hours				
Language	Chinese	English	Russian	Japanese	Spanish can be switched

HD-330 Product Parameter

Camera	2,600,000 Pixels1/1.8"CMOS				
Resolution	1920(H)*1200(V)				
Definition	1200 Lines				
Video output	HDMI	SDI	DVI	BNC	USB
Shutter speed	1/60~1/60000(NTSC)		1/50~50000(PAL)		
Camera cable	2.8m		Special lengths can be customized		
Power supply	85~264VAC				
LED Lamp power	120W				
Long life	≥50000Hours				
Language	Chinese	English	Russian	Japanese	Spanish can be switched

►SD-900P

【Camera+light source+screen+Recording 4 in 1】

Camera panel function menu to achieve a variety of operations

Advantages department

White balance, high-definition freezing, photo-taking, video storage, The color is true, the image is delicate, and the depth of field is longer.

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►HD-1200P

【Camera+light source+screen+Recording 4 in 1】

Camera panel function menu to achieve a variety of operations

Advantages department

Compatible with both rigid and flexible endoscopes, White balance, high-definition freezing, photo-taking, video storage, The color is true, the image is delicate, and the depth of field is longer.

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HD-310(Metal&Plastic) Product Parameter

Camera	1,800,000 Pixels1/3"CMOS				
Resolution	1560(H)*900(V)				
Monitor	15.6”				
Video output	BNCX2				
Camera cable	2.5m	Special lengths can be customized			
Power supply	85~264VAC				
LED Lamp power	60W				
Long life	≥50000Hours				
Language	Chinese	English	Russian	Japanese	Spanish can be switched

HD-3310 Product Parameter

Camera	2,600,000 Pixels1/1.8"CMOS					
Resolution	1920(H)*1200(V)					
Definition	1200 Lines					
Video output	HDMI	SDI	DVI	BNC	AUO	USB
Shutter speed	1/60~1/60000(NTSC)			1/50~50000(PAL)		
Camera cable	2.8m			Special lengths can be customized		
Power supply	85~264VAC					
LED Lamp power	100W					
Long life	≥50000Hours					
Language	Chinese	English	Russian	Japanese	Spanish can be switched	

►HD-1080P

【Camera+light source+screen+Recording 4 in 1】

Camera panel function menu to achieve a variety of operations

Advantages department

The product can be used for Electronic nose and throat scope ergonomic design, lightweight operation structure, reduce the operator's work intensity, The bullet head is inserted into the head, convenient to enter the device and the body.

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►Portable 4-in-1 Gastrointestinal Endoscopy System

【Camera + light source+screen 3 in 1】

Advantages department

One machine, multiple uses Wide range of applications Increase usage frequency Quickly recoup costs Powerful, brightness, colour and contrast adjustable from 0-100 levels, supports VGA and HDMI HD signal output.

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HD-133 Product Parameter

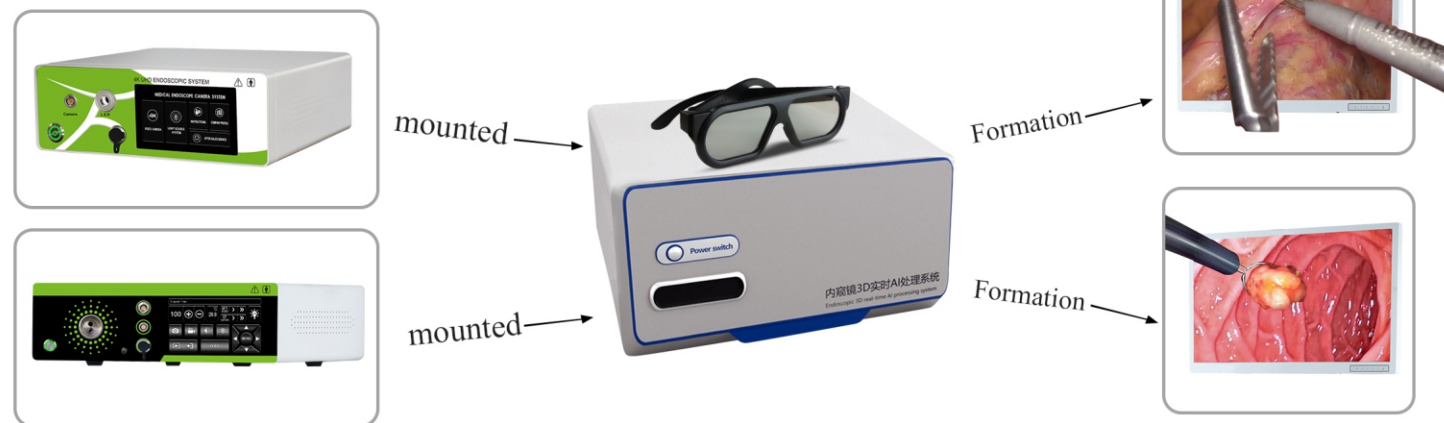
HD-133 Product Parameter					
Camera	1,800,000 Pixels1/3"CMOS				
Resolution	1920(H)*1080(V)				
Monitor	13.3”				
Video output	HDMI*2		USB		
Display Brightness	450 cd/m² (Typ.)				
Contrast	1400:1 (Typ.)				
Viewing Angle	/85/85/85				
Supported Colors	16.7M				
Language	Chinese	English	Russian	Japanese	Spanish can be switched

Electronic Gastrointestinal Endoscope (New Model)

Camera	1,800,000 Pixels1/3"CMOS	
Resolution	1 million	
Monitor	13.9	
Video output	VGA	HDMI
LED illumination	≥20W Lx	
Image video storage	USB stick for direct photo and video saving	
Viewing Angle	140 °	
Spectrum Range	400-700nm	
LED power	100W	
Color Temperature	≥5500K	
Air pressure	30~60KPa	
Air flow	4~10L/min	
Air pump adjustment	0 to 3 is adjustable	



3D Imaging Server



Model	MD-X3		
Signal Input	DVI-D*1		
Signal Output	DVI-D*1		
Input Resolution	4K(4096*2160)	HD(1920*1080)	
	50/60fps		
Output Resolution	HD(1920*1080)	3D Interlace Image	
	50/60fps		
USB 2.0	For mouse device		
Operating environment	Temperature	0 ~ 45℃	
	Humidity	5% ~ 90%	
	Air pressure	700 hPa ~ 1060 hPa	
Storage and transmission environment	Temperature	-20 ~ 80℃	
	Humidity	5% ~ 90%	
	Air pressure	700 hPa ~ 1060 hPa	
Optional accessories	3D Display	Mobile Trolley	OB system

► Naked-Eye 3D Interactive All-in-One Computer

Advantages department

- Features solid-state columnar gratings for superior 3D display with minimal 2D loss
- AI eye-tracking technology delivers more comfortable glasses-free 3D viewing
- FPGA 3D display processor enables faster, more efficient processing without plugins
- Supports 6DoF head and hand tracking for precise positioning
- Enables AR content display with calibration-free projection for glasses-free 3D
- Desktop 3D interactive all-in-one device with proprietary gesture recognition and NFC functionality
- Supports diverse SDK development to meet customisation requirements
- Desktop 3D interactive all-in-one device featuring proprietary gesture recognition and NFC functionality
- Supports diverse SDK development for customisation requirements.



Naked-Eye 3D Interactive All-in-One Computer

Model	FK320D	FK270C
Display Size	32 inches	27 inches
Technology	Solid-state lenticular	LCD raster
Resolution	3840*2160	
Tracking technology	AI Eye	
3D Display Processor	FPGA	
Positioning	Head and hand 6DoF tracking	
Supported Formats	Supports unique gesture recognition and NFC functionality	
Customization	Support for diverse SDK development	

► Naked Eye 3D Tablet

- Rockchip RK3588S
- BOE 4K High-Brightness Display
- OV7251 Starlight-Level Module
- Polymer Lithium Battery

Advantages department

Cross-testing of three mainstream display modules for light intensity and structural light transmission, cross-testing of OCA material and thickness, selecting the optimal solution.

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4K

13.3"



HD

10.1"

► Naked Eye 3D Display

Naked eye 3D display series, using human eye tracking technology + FPGA solution

Advantages department

Without any plug-ins to run 3D, support for Android, iOS, X86 and other platforms to use, support for all 3840*2160 @ 30HZ graphics cards, easy to operate, easy to use, suitable for a variety of application scenarios, bringing a more natural interactive experience!

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15.6"

27"

32"

Naked-eye 3D tablet

Naked-eye 3D tablet		
Product Name		Naked-eye 3D tablet
Dimensions		10.1、13.3inches
Eye Tracking Solution		Front camera visible light tracking
Naked-eye 3D Solution		Columnar lens grating
Number of Viewpoints		2
Optimal Viewing Distance		450 mm
Supported Formats		Left and right eyeformat images and videos
Optimal Viewing Field of View		60°
Player Name		MoMei 3D
Supported Formats	Dimensions	240.35 x159.36x9.5 mm
	Weight	675g
	Housing	Metal shell (blue)

Naked-eye 3D Display

Naked-eye 3D Display		
Model	FK320D	FK270C
Display Size	32 inches	27 inches
Technology	Solid-state lenticular	LCD raster
Case Size	741*456*47mm	596*394*47mm
Resolution	3840*2160	3840*2160
Eye Tracking	Structured light 65 °	Structured light 65 °
Eye Tracking Delay	7ms, 170 FPS	7ms, 170 FPS
3D Format	Left/Right format	Left/Right format
Viewing Distance	76cm	60cm
Supported Formats	3D Microscope,3D Endoscope,3D Live Camera, Video,ImageWeb, Unity, UE5, SLT,VTU, BDS, IGES, Collada, Step, Obj, Fbx	
Input Interface	HDMI	HDMI

►Naked-Eye 3D 4K Microscope

- Reveal three-dimensional details invisible to the naked eye
- Three-dimensional imaging for precise measurement
- Non-destructive inspection with crystal-clear details

Advantages department

Detect micron-level defects in semiconductor chips and PCB circuits; measure roughness and step heights; analyze wear and corrosion in metals and ceramics for materials science; observe three-dimensional structures of cells and tissues in biomedical applications; and refine dental models for oral care.

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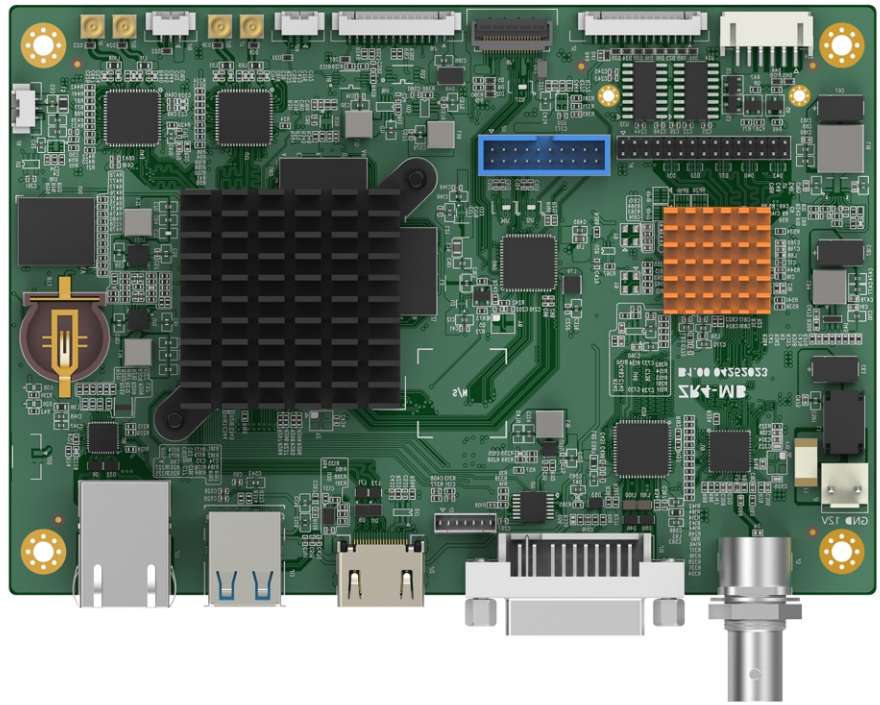


Naked-eye 3D Display	
Model	FK810A
Display Size	15.6"
Resolution	3840*2160@30H
Optimal viewing distance	45 cm from the screen
Focus travel	120mm
Eye Tracking	3D viewing angle > 60 °
Frame synchronization	<16ms
Optical zoom range	6.5X-53X
Electronic Magnification	2.8X
Input Interface	HDMI

►FK 4B Combined Rigid and Flexible Endoscope Ultra-High Definition Motherboard

Advantages department

- *Multiple metering modes: Supports average metering, center-weighted metering, and peak metering
- *One-touch white balance lock with built-in color styles and adjustable color parameters
- *Color spill prevention enhances visibility of surgical details obscured by blood during procedures
- *Supports horizontal and vertical mirroring
- *Image freeze, video recording, snapshot capture, and image comparison
- *Adjustable de-glare levels and smoke removal
- *Provides system control serial command set for user development of customized serial display menu applications
- *Supports network applications with SDK package
- *Supports DICOM protocol



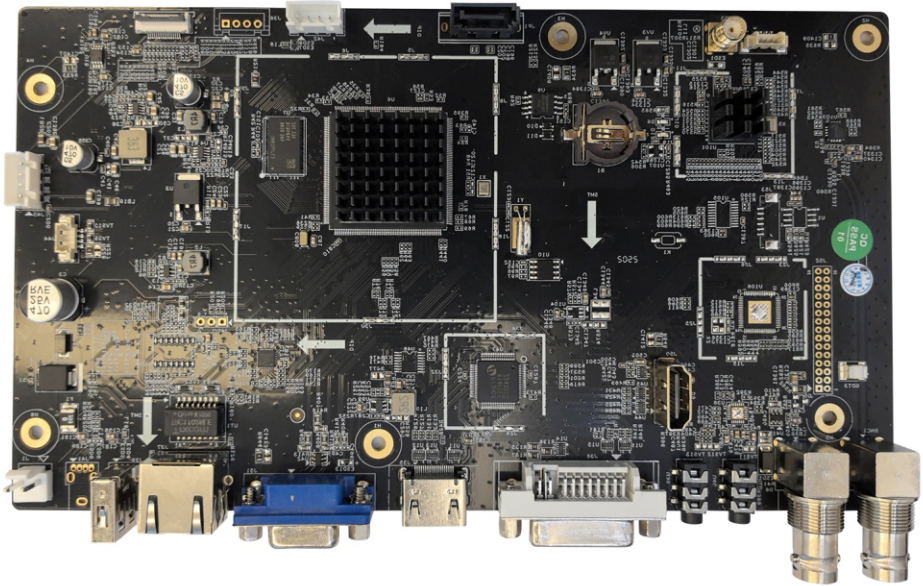
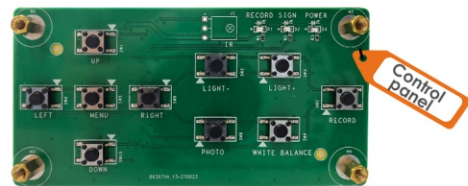
FK4B Motherboard	
Model	FK4B
Camera	4K60(3840x2160)
Output Interface	HDMI、5XUSB3.0、DVI24+5、3G SDI、LVDS、ADC
4-channel RS232	Supports light source (MLS0x) synchronization and serial port display menu operation
White Balance	One-touch white balance
Backlight Dimming	Average/Peak
Power Input	12V 3A
Storage	Supported, editable files
Department	Portable endoscopes, industrial endoscopes, surgical microscopes

► FULL HD Motherboard

Applicable department

Medical imaging, medical endoscopy equipment, and other medical fields

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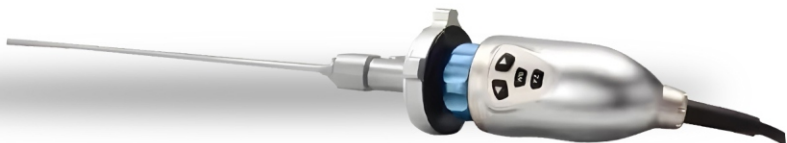
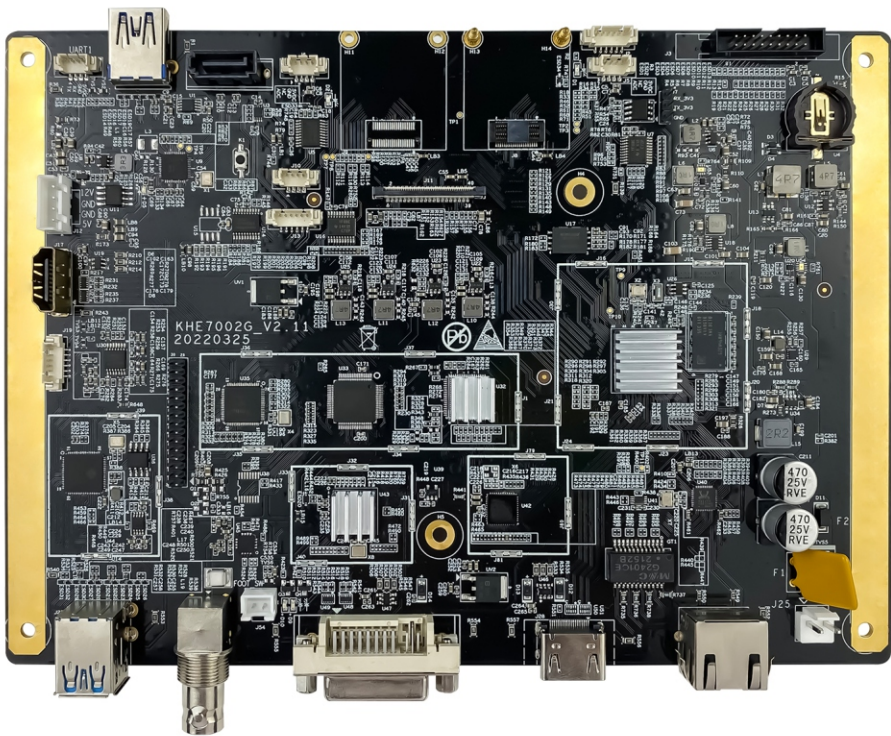
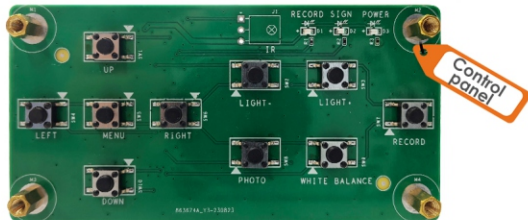


► FULL 4K Motherboard

Applicable department

Medical imaging, medical endoscopy equipment, and other medical fields

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FULL HD Motherboard

Model	KHE7002M
Sensor	Sony 1/1.8" CMOS
Output Interface	2xHDMI1.4, 1xDVI, 1xSDI, 1xVGA, 1xCVBS, 1xLVDS
Image Processing	Sharpening, Noise Reduction, Color Rendering, Edge Enhancement, Contrast, Saturation, Image Scaling, Mirroring, Smart Exposure
White Balance	One-touch white balance
Backlight Dimming	Average/Peak
Keypad/Serial Display	Supported, programmable
Storage	Supported, editable files
Department	Laparoscopy, hysteroscopy, arthroscopy, otoscopy, laryngoscopy, fiberoptic endoscopy, intervertebral foramen endoscopy

FULL 4K Motherboard

Model	KHE7002G	KHI7002G
Sensor	Sony 1/1.8" CMOS	
Output Interface	HDMI2.0、HDMI1.4、DVI、SDI	3x HDMI2.0、DVI、SDI
Image Processing	Sharpening, Noise Reduction, Color Rendering, Edge Enhancement, Contrast, Saturation, Image Scaling, Mirroring, Smart Exposure	
White Balance	One-touch white balance	
Backlight Dimming	Average/Peak	
Keypad/Serial Display	Supported, programmable	
Storage	Supported, editable files	
Department	Thoracic and abdominal cavities, ENT, gynaecological and urological cavities, joints, fiberoptic, intervertebral foramen, cystoscopy, ureteroscopy	

► Ultrasonic scalpel system

Advantages department

The host starts up with an intelligent self-test, no need for manual testing. The host has an intuitive 5-stage energy adjustment interface, 1-5 free selection switch. Better coagulation effect, faster cutting speed, preventing adhesions during surgery. Surface roughness: Surface roughness of the tool tip $Ra \leq 0.8 \mu m$.

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► Endoscopy surgery Dynamic system

It is used for crushing or excising bone tissue or soft tissue in endoscopic surgery.

Advantages department

Shock prevention type: I class
Shock protection degree: BF type

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Product Parameter

External dimensions	36cm (L)x40cm (W)x 16cm(H)
Input power	85~264VAC
Rated power	100VA
Fuse	3A
Excitation frequency	55.5kHz ± 1.0kHz
Ambient temperature	10 °C to 40°C
Relative humidity	≤75%
Atmospheric pressure	700hPa to 1060hPa

Endoscopy Surgery Dynamic System

Ambient Temperature	5°C~30°C
Relative Humidity	≤80%Rh
Atmospheric Pressure	860hPa~1060hPa
Power Supply	~220V; 50Hz
Input Power	200VA
Constituent parts	Main engine, foot switch, handle, cutter head and power cord
Single direction	1000-5000 RPM
Two-way reciprocating	500-3000 RPM
Adjustable reciprocating frequency	Adjustment range times/SEC -10 times/SEC

► Gas-Assisted

Camera panel function menu to achieve a variety of operations

Advantages department

- Pressure alarm function
- Sound alert function
- Color warning function
- LCD touch screen display, so that the operator at a glance
- Automatic adjustment of pulse air supply time
- Making clinical application more safe and reliable
- Optional heating function

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(*EVAC and Gas Heating Optional)



Decompression watch



Needle



Pressure tube



Pneumoperitoneum tube



Smoke gas filter

► Perfusion Pump

Advantages department

Adopting compression water supply method for surgery, maintaining the shape and visual effect of the cavity well, forming an ideal surgical space and clear field of view;

Using liquid media to pressurize and expand the cavity to form a visible space, and to clean the dirty blood inside the cavity, making intraoperative observation more convenient, surgical field of view clearer, and more convenient for doctors to operate,

Widely applicable (urology, gynecology, orthopedics, neurosurgery, proctology, general surgery, etc.);

Using a 5-inch LCD screen display, it is clear at a glance.



Irrigation pump line



Silicone diaphragm*4



Suction bottle 2000ml



Silicone tube



Fuse*2

FK-300 /FK-450 Product Parameter

Power supply voltage and frequency	85~264VAC		
Power supply power	100-400W(optional, 300W)		
Ambient temperature	-20℃~80C		
Ambient humidity	30%-75%		
Use gas	medical grade CO ₂		
Working pressure range	0-25mmHg		
Gas flow	FK-300	FK-400	FK-450
	30L	40L	50L (Add Bariatric)

FK-240 Product Parameter

Irrigation pressure setting	15mmHg~700mmHg
Irrigation flow setting	10mL/min~1500mL/min
Suction pressure setting	100mmHg~400mmHg
Suction flow setting	1000mL/min~30000mL/min



*Operating mode, easy to distinguish

Features two operating modes: ABLATE (ablative cutting) and COAG (coagulation hemostasis). These are distinguished by yellow and blue indicators, respectively, displayed on the device interface and foot switch.

*Cutting and coagulation hemostasis function, adjustable

Plasma vaporization cutting and ablation: Adjustable from levels 1 to 9;

Plasma & RF ablation coagulation hemostasis: Adjustable from levels 1 to 9.

This innovative “Plasma & RF” coagulation hemostasis function can form clots in larger vessels to achieve occlusion.

*Smart Recognition, Simplified

The device automatically recognizes electrodes, foot switches, and power cords, displaying corresponding indicators and prompts on the unit. It automatically defaults to the appropriate energy level based on different clinical requirements and electrode types.

*Automatic Protection Device

The proprietary circuit system inside the host continuously monitors energy output and automatically pauses energy delivery during instantaneous peak currents. For example: the blade host will automatically suspend RF output. Once the blade head returns to a safe distance, operation resumes automatically. If the blade head comes too close to or contacts metal.

*Integrated design

The suction-cutting electrode head offers enhanced visibility and more controllable cutting precision for rapid excision of various soft tissues. Beyond eliminating bubbles within the field of view, its powerful suction draws free-floating minute tissue fragments toward the electrode, allowing the surgeon to focus on technique without concern for loose soft tissue.

Disposable Bronchoscope

Applicable department

The product can be used for bronchoscope. Ergonomic design, light-weight operation structure, reduce the operator's work intensity.

The bullet head is inserted into the head, convenient to enter the device and the body.

Integrated video plug, cold light lighting after, avoid burning tissues, independently packaged three-way adaptor, with optical fiber rocking device Perfusion pump system that can connect existing brand and domestic brand in operating room, Use aseptic independent packaging, disposable.



Bronchoscope Product Parameter

Bronchoscope Product Parameter			
Tip Diameter (mm)	3.8	4.8	5.4
Working channel	1.4	2.4	3.0
Working length	600mm		
Resolution	16K	1 million	
Field of view	120°	140°	
Large angle bend	>180		
Customised connectors			

► Disposable Urethroscope

Perfusion pump system that can connect existing brand and domestic brand in operating room

Applicable department

The product can be used for Electronic ureterscope, Ergonomic design, light weight operation structure, reduce the operator's work intensity, The bullet head is inserted into the head, convenient to enter the device and the body. Integrated video plug, cold light lighting after, avoid burning tissues, independently packaged three-way adaptor, with optical fiber locking device

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► Disposable Choledochoscope

Applicable department

The product can be used for choledochoscope, Ergonomic design, light weight operation structure, reduce the operator's work intensity.

The bullet head is inserted into the head, convenient to enter the device and the body.

Integrated video plug, cold light lighting after, avoid burning tissues, independently packaged three-way adaptor, with optical fiber locking device Perfusion pump system that can connect existing brand and domestic brand in operating room, Use aseptic independent packaging, disposable.



Disposable Urethroscope Product Parameter

Tip Diameter (mm)	3	2.75	2.7	2.1
Working channel	1.2			
Working length	670mm			
Resolution	16K(400*400P)			
Large angle bend	>270			
Tip Properties	Smooth edge of transparent(avoid accidental bleeding)			
Shorter bending distance from tip for flexible access to all tracheal lumen segments				
Customised connectors				

Choledochoscope Product Parameter

Model	C-1	C-2	C-3
Size	720mm*3.8mm*2.2mm	720mm*3.8mm*1.2mm	680mm*2.8mm*1.2mm
Pixel	HD320,000	HD320,000	HD320,000
Field angle	110°	110°	110°
Depth of field	2-50mm	2-50mm	2-50mm
Apex	3.9mm	3.9mm	2.9mm
Insert tube outer diameter	3.8mm	3.8mm	2.8mm
Inside diameter of working passage	2.2mm	1.2mm	1.2mm
Angle of bend	Turn up ≥275° Turn down ≥275°		
Effective working length	720mm	720mm	680mm

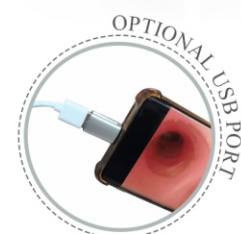
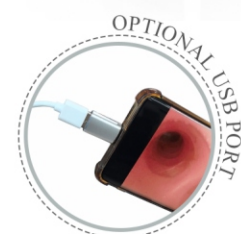
► Disposable cystoscope

Perfusion pump system that can connect existing brand and domestic brand in operating room

Applicable department

The product can be used for Disposable cystoscope, Ergonomic design, light weight operation structure, reduce the operator's work intensity. The bullet head is inserted into the head, convenient to enter the device and the body. Integrated video plug, cold ight lighting after, avoid burning tissues, independently packaged three-way adaptor, with opticalfiber locking device

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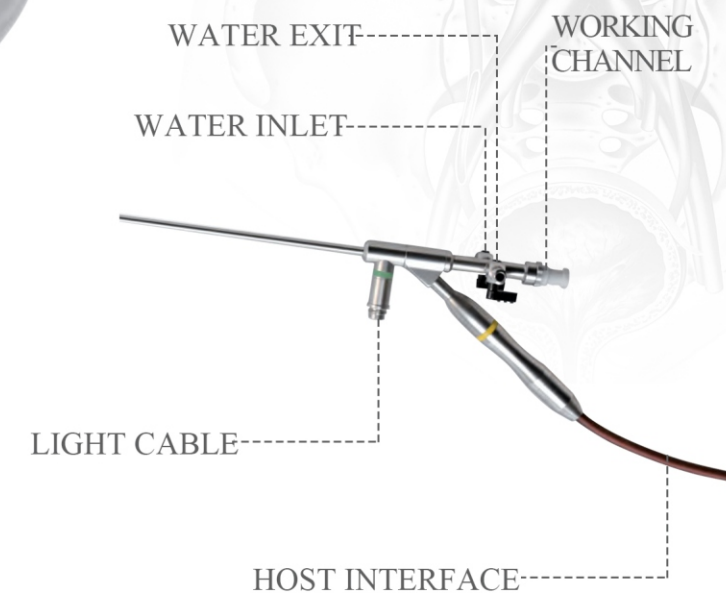
► Ureteroscope

Applicable department

The product can be used for Electronic ureteroscope, Ergonomic design, light weight operation structure, reduce the operator's work intensity. The bullet head is inserted into the head, convenient to enter the device and the body.

Integrated video plug, cold light lighting after, avoid burning tissues, Independently packaged three-way adaptor, with optical fiber locking device.

Perfusion pump system that can connect existing brand and domestic brand in operating room Use aseptic independent packaging, disposable.



Disposable cystoscope Product Parameter

Tip Diameter (mm)	3.8	4.8	5.4
Working channel	1.4	2.4	3.0
Working length	380mm		
Resolution	16K	1 million	
Field of view	120°	140°	
Large angle bend	>180°		
Customised connectors			

Ureteroscope Product Parameter

Diameter (mm)	Length (customizable)	Inside diameter of working passage	Angle of bend	Pixel	Depth of field	Field angle
2.3	680	1.2±0.04	≥275°	16W/30W	5-150MM	140°
2.8	680	1.2±0.04	≥275°	16W/30W	5-150MM	140°
4.3	680	2.2±0.04	Turn up 210° Turn down 210°	16W/30W/50W	5-150MM	140°

► Rhinolaryngoscope

Applicable department

The product can be used for Electronic nose and throat scope ergonomic design, lightweight operation structure, reduce the operator's work intensity. The bullet head is inserted into the head, convenient to enter the device and the body.

Integrated video plug, cold light lighting after, avoid burning tissues, Independently packaged three-way adaptor, with optical fiber locking device.

Perfusion pump system that can connect existing brand and domestic brand in operating room, Use aseptic independent packaging, disposable.

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► Gastroscope

Applicable department

The product can be used for Gastros-copy design, lightweight operation structure, reduce the operator's work intensity. The bullet head is inserted into the head, convenient to enter the device and the body.

Integrated video plug, cold light lighting after, avoid burning tissues, Independently packaged three-way adaptor, with optical fiber locking device.

Perfusion pump system that can connect existing brand and domestic brand in operating room, Use aseptic independent packaging, disposable.

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Rhinolaryngoscope Product Parameter

Diameter (mm)	Length (customizable)	Inside diameter of working passage	Angle of bend	Pixel	Depth of field	Field angle
2.8	380	1.2±0.04	Turn up 210° Turn down 210°	16W/30W	5-150MM	140°
4.3	380	2.2±0.04	Turn up 210° Turn down 210°	16W/30W	5-150MM	140°
5.8	380	2.2±0.04	Turn up 210° Turn down 210°	16W/30W/50W	5-150MM	140°

Gastroscope Product Parameter

Diameter (mm)	8.0	9.0	9.6	9.8
Inner diameter of clamp pipe	2.8			
Working length	1050mm			
Total length	1350mm		1335mm	1350mm
Field of view	140° (direct view)			
Observation depth	2-100mm			
Resolution	1 million pixels CMOS HD-100W			
Bending angle	210°upward	100°Left	100°right	100°downward
Left and right	100° maximum 230			
Observation depth of field	2-10mm			

► Colonoscope

Applicable department

The product can be used for Colonoscope design, lightweight operation structure, reduce the operator's work intensity. The bullet head is inserted into the head, convenient to enter the device and the body.

Integrated video plug, cold light lighting after, avoid burning tissues. Independently packaged three-way adaptor, with optical fiber locking device.

Perfusion pump system that can connect existing brand and domestic brand in operating room. Use aseptic independent packaging, disposable.

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Colonoscope Product Parameter

Diameter (mm)	9.8	12.0	12.8
Inner diameter of clamp pipe	2.8	3.2	3.75
Working length	1650mm		
Total length	1950mm		
Field of view	140° (direct view)		
Observation depth	2-100mm		
Resolution	1 million pixels CMOS HD-100W		1 million pixels
Bending angle	210°upward 100°downward	180°upward 100°Left 100°right 100°downward	180°upward 150°Left 150°right 160°downward
Left and right	100° maximum 230		
Observation depth of field	2-10mm		

► Bronchoscope

Applicable department

The product can be used for bronchoscope. Ergonomic design, lightweight operation structure, reduce the operator's work intensity.

The bullet head is inserted into the head, convenient to enter the device and the body.

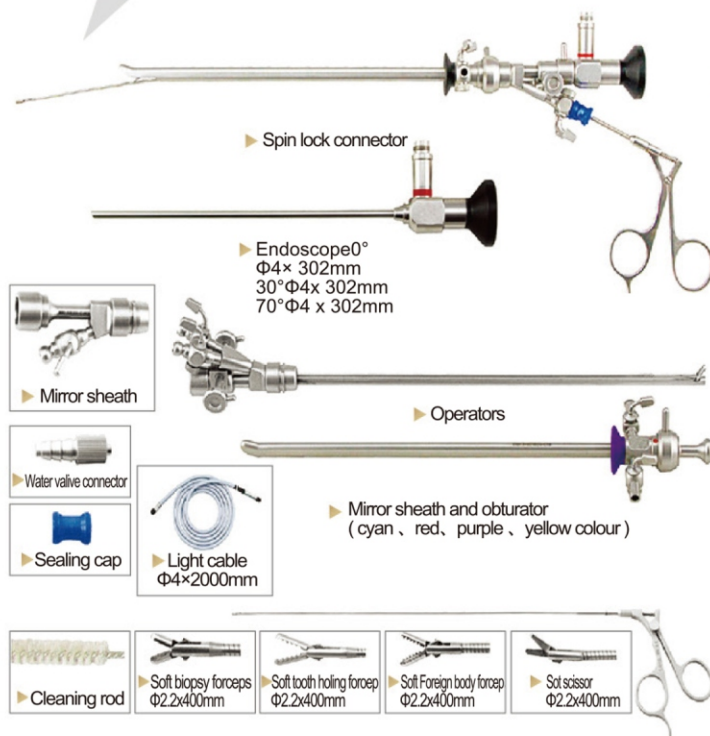
Integrated video plug, cold light lighting after, avoid burning tissues. Independently packaged three-way adaptor, with optical fiber locking device. Perfusion pump system that can connect existing brand and domestic brand in operating room. Use aseptic independent packaging, disposable.



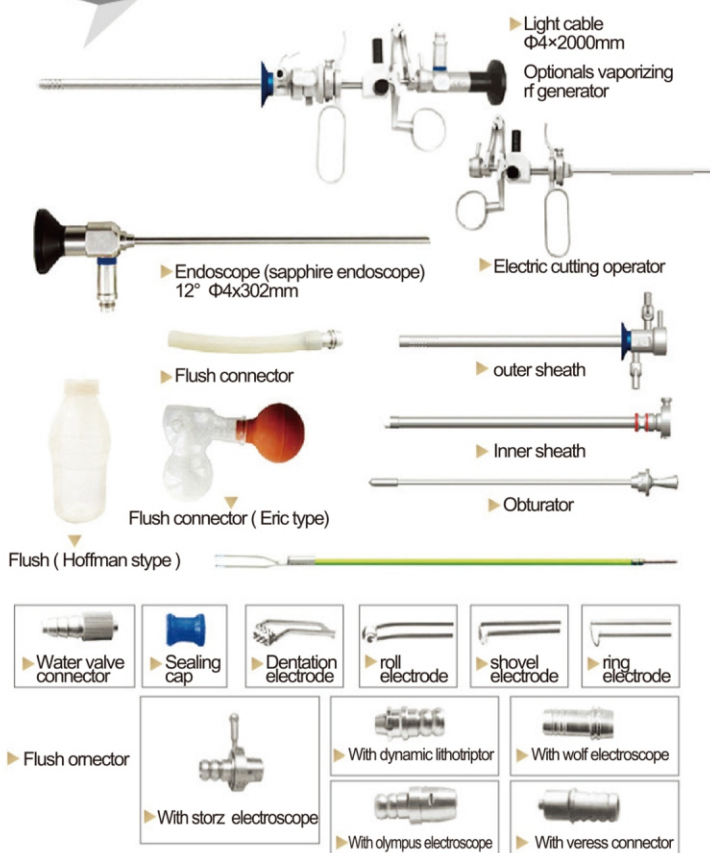
Bronchoscope Product Parameter

Diameter (mm)	Length (customizable)	Inside diameter of working passage	Angle of bend	Pixel	Depth of field	Field angle
2.3	650	1.2±0.04	Turn up 210° Turn down 210°	16W/30W	5-150mm	140°
2.8	650	1.2±0.04	Turn up 210° Turn down 210°	16W/30W	5-150mm	140°
4.3	650	2.2±0.04	Turn up 210° Turn down 210°	30W/50W	5-150mm	140°
5.5	650	2.8±0.04	Turn up 210° Turn down 210°	30W/50W/100W	5-150mm	140°

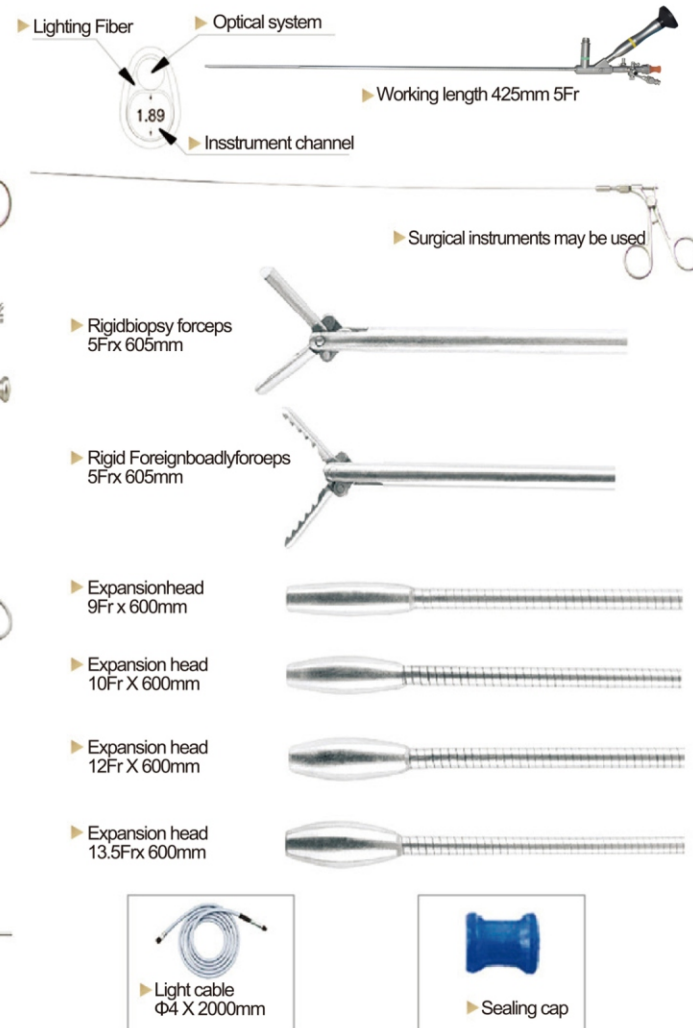
URETHROCYSTOSCOPE



PROSTATIC VAPORIZING ELECTROSCOPE



URETEROSCOPE



FIBERSCOPE



UHD Sinuscope



Specifications (autoclavable)

Product number	Diameter	Working Length	Angle of View	Ultra-wide field
BJ-01	4.0mm	175mm	0°	90°
BJ-03	4.0mm	175mm	30°	90°
BJ-04	4.0mm	175mm	45°	90°
BJ-07	4.0mm	175mm	70°	90°

UHD Otoscope



Specifications (autoclavable)

Product number	Diameter	Working Length	Angle of View	Ultra-wide field
ER-01	4.0mm	110mm	0°	90°
ER-02	3.0mm	110mm	0°	90°
ER-03	2.7mm	110mm	0°	90°

UHD Laryngoscope



Specifications (autoclavable)

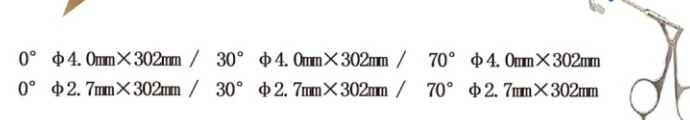
Product number	Diameter	Working Length	Angle of View	Ultra-wide field
HJ-07	8.0mm	185mm	70°	90°
HJ-09	8.0mm	185mm	90°	90°
HJ-09S(handle)	8.0mm	185mm	90°	90°
BJ-071	6.0mm	185mm	70°	90°
BJ-091	6.0mm	185mm	90°	90°

UHD Hysteroscope



0° Φ 4mm × 302mm / 30° Φ 4mm × 302mm / 70° Φ 4mm × 302mm

UHD Cystoscope

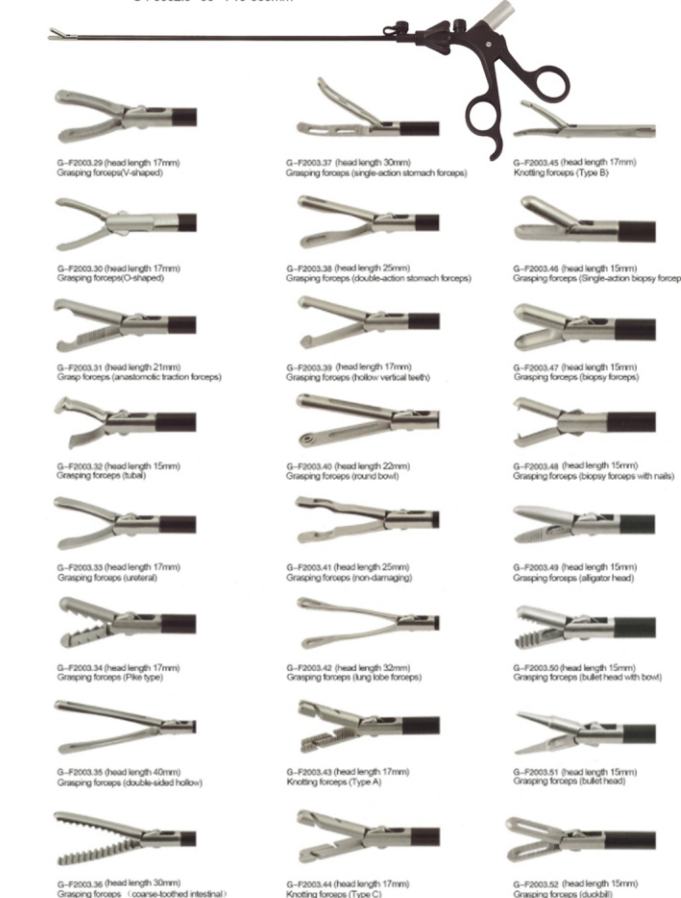


0° Φ 4. 0mm × 302mm / 30° Φ 4. 0mm × 302mm / 70° Φ 4. 0mm × 302mm
0° Φ 2. 7mm × 302mm / 30° Φ 2. 7mm × 302mm / 70° Φ 2. 7mm × 302mm

UHD Laparoscope

Specifications (autoclavable)

可高温高压 Autoclavable	G-F0001 0° Φ10×310mm	G-F0001.1 0° Φ10×330mm	G-F0001.3 0° Φ5×330mm
	G-F0002 30° Φ5×310mm	G-F0002.1 30° Φ5×330mm	G-F0002.3 30° Φ10×330mm



UHD Arthroscopy

Specifications (autoclavable)

