GEIWRE®

Premium Imaging. Lower Cost. Zero Risk.

Trusted by partners in Germany, USA, Russia, Japan, Korea, Indonesia.
Demo → Training → Joint International Education Platform.

4K ELECTRONIC FLEXIBLE ENDOSCOPE



Official Account

Company's website

Whatsapp
Technical support

Wechat
Complaint and advice

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01

All-in-One Platform

(White Light or Staining)



02

Integrated Platform

(White Light)



03

Dual Imaging Joint Platform

HD Dual Imaging, **4K** Dual Imaging

4K 1CMOS, 3CMOS, 4K 3D, 4K ICG,

Staining Modes: **WLI, ACI, NBI, LCI, RDI, NBI-PIUS**



04

AI Dual Imaging Joint Platform

HD Dual Imaging, **4K** Dual Imaging

4K 1CMOS, 3CMOS, 4K 3D, 4K ICG,

Staining Modes: **WLI, ACI, NBI, LCI, RDI, NBI-PIUS**



Electronic Endoscope



Ureteroscope Parameter

Outer diameter of main hose	≤Φ2.8mm
Inner diameter of clamp pipe	≥Φ1.2mm
Working length	680mm
Field of view	≥140 °(direct view)
Observation depth	≥2-150mm
Resolution	≥520,000 pixels

Rhinolaryngoscope Parameter

Maximum Outer Diameter of Insertion Tube	≤Φ3.0mm	≤Φ4.2mm	≤Φ5.2mm	≤Φ6.0mm
Minimum Inner Diameter of Instrument Channel	≥Φ1.2mm	≥Φ2.0mm	≥Φ2.8mm	≥Φ3.0mm
Working length	302-480mm	302-480mm	302-480mm	302-480mm
Field of view	≥120°(direct view)	≥120°(direct view)	≥120°(direct view)	≥120°(direct view)
Observation depth	≥2-150mm	≥2-150mm	≥2-150mm	≥2-150mm
Resolution	≥520,000 pixels	≥520,000 pixels	≥520,000 pixels	≥520,000 pixels

Thoracoscopy and laparoscopy Parameter

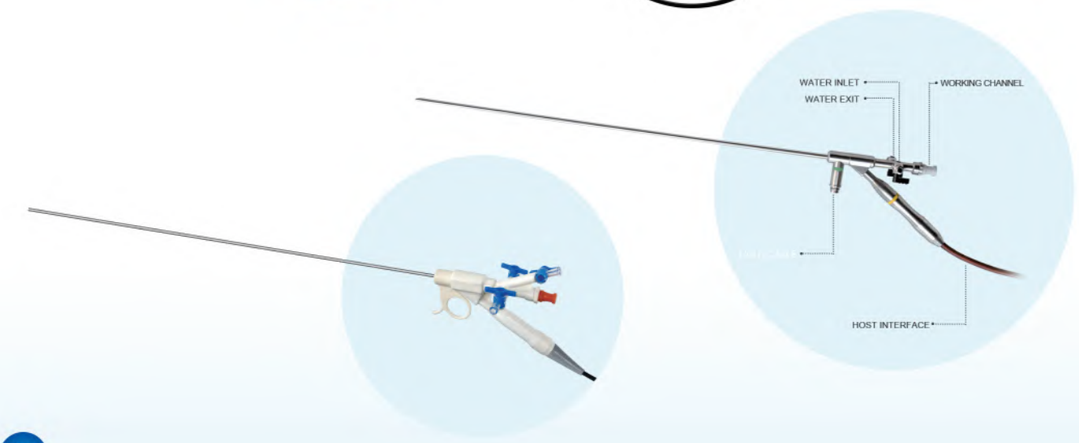
Outer diameter of main hose	≤Φ5.3mm	≤Φ9.8mm
Inner diameter of clamp pipe	-	≥Φ2.8mm
Working length	360-480mm	360-480mm
Field of view	≥170°(direct view)	≥170°(direct view)
Observation depth	≥2-150mm	≥2-150mm
Resolution	2,000,000 pixels	2,000,000 pixels

Bronchoscope Parameter

Maximum Outer Diameter of Insertion Tube	≤Φ3.0mm	≤Φ4.2mm	≤Φ5.2mm	≤Φ6.0mm
Minimum Inner Diameter of Instrument Channel	≥Φ1.2mm	≥Φ2.0mm	≥Φ2.8mm	≥Φ3.0mm
Working length	480-600mm	480-600mm	480-600mm	480-600mm
Field of view	≥120°(direct view)	≥120°(direct view)	≥120°(direct view)	≥120°(direct view)
Observation depth	≥2-150mm	≥2-150mm	≥2-150mm	≥2-150mm
Resolution	≥520,000 pixels	≥520,000 pixels	≥520,000 pixels	≥520,000 pixels

Electronic Ureteroscope and Cystoscope





FDA CE ISO 9001 ISO ISO13485 IPX FC RoHS

Developed and produced by Hengjia Electronic ,this electronic ureteroscope is made specifically for modern urological surgery. It combines ergonomic handling with a lightweight structure to minimize operator fatigue during extended use. Its slim profile and smooth, tapered tip enable precise and atraumatic navigation through narrow anatomical passages.

Featuring an integrated video interface and a high-clarity cold light source, the device ensures bright, detailed visualization without risk of thermal tissue damage. Ideal for diagnostic and therapeutic ureteroscopic interventions, this device delivers clarity, control, and compatibility in urological care.

Feather-light, Visual Precision.

Slim Access, Atraumatic Precision.

Crystal-Clear Vision, Powered by Cold Light.

For Surgeons, Less Fatigue; For Patients, Peace of Mind.

Ureteroscope and Cystoscope Parameter

Diameter	Φ2.5mm	Φ2.8mm	Φ4.3mm
Length(Optional)	650-680mm	650-680mm	650-680mm
Working Channel	Φ1.2±0.04mm	Φ1.2±0.04mm	Φ2.2±0.04mm
Angle of bend	≥275°	≥275°	Turn up 210°/Turn down 210°
Pixel	160,000/300,000	160,000/300,000	160,000/300,000/500,000
Depth of field	5-150mm	5-150mm	5-150mm
Field angle	140°	140°	140°

Main Unit of Compatible



HD image processor:

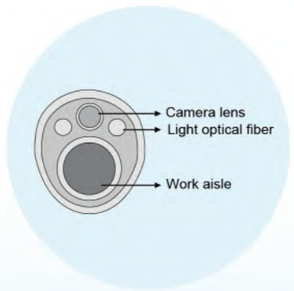
Powerful, brightness colour and contrast adjustable from 0-100levels, supports HDMI HD signal output.

- Resolution: 2,000,000 pixels
- Display screen: 13.3 inches
- Resolution: 1920×1080
- Viewing angle: 120-160 degrees
- Auto/Manual white Balance: Auto/ManualSensor
- Technology: CMOS
- Video output: HDMI IN and HDMI OUT, USB
- Function: Enhanced hemoglobin,Department
- Storage: USB stick for direct photo and video saving
  Take photos, review photos, and replay videos
- Power supply: AC85~264V

Electronic Rhinolaryngoscope







Developed and produced by Hengjia Electronic with advanced ergonomics and a lightweight structure, this electronic rhinolaryngoscope minimizes operator fatigue while enhancing maneuverability during examinations. Its streamlined, bullet-shaped tip facilitates smooth and non-invasive insertion, improving patient comfort and procedure efficiency.

Featuring an integrated video interface and a cold light source, the device ensures clear visualization without thermal risk to sensitive tissues.

Ideal for modern ENT diagnostics and treatment, this device combines precision engineering, user-centered design, and deliver superior clinical effects.

- Lightweight and flexible, reducing operator fatigue and enhancing maneuverability.
- Smooth, non-invasive insertion improves patient comfort and operational efficiency.
- Integrated video interface with cool light source ensures clear imaging without thermal damage, safeguarding tissue safety.
- Combining advanced engineering with user-centered design, ideal for ENT diagnosis and treatment.

Rhinolaryngoscope Parameter

Diameter	Φ2.8mm	Φ4.3mm	Φ5.8mm
Length(Optional)	380-480mm	380-480mm	380-480mm
Working Channel	Φ1.2±0.04mm	Φ1.2±0.04mm	Φ2.2±0.04mm
Angle of bend	Turn up 210° Turn down 210°	Turn up 210° Turn down 210°	Turn up 210° Turn down 210°
Pixel	160,000 300,000	160,000 300,000	160,000 300,000 500,000
Depth of field	5-150mm	5-150mm	5-150mm
Field angle	140°	140°	140°

Electronic Bronchoscope



Optional Main Unit Interface



Its ergonomic and lightweight design significantly enhances operator comfort and control during prolonged bronchoscopic procedures.The device features a smooth, tapered distal tip for atraumatic and efficient navigation through delicate airways. It integrates a high-resolution video output and a high-luminosity cold light source, delivering exceptional visualization while completely eliminating the risk of thermal tissue injury.

All components are supplied in single-use packaging, adhering to stringent infection control standards. This instrument combines advanced optics, user-centric design, and provide a precise and efficient solution for modern respiratory diagnostics and interventions.

Bronchoscope Parameter

Diameter	Φ2.3mm	Φ2.8mm	Φ4.3mm	Φ5.5mm
Length(Optional)	650-680mm	650-680mm	650-680mm	380mm
Working Channel	Φ1.2±0.04mm	Φ1.2±0.04mm	Φ1.2±0.04mm	Φ1.2±0.04mm
Angle of bend	Turn up 210° Turn down 210°	Turn up 210° Turn down 210°	Turn up 210° Turn down 210°	Turn up 210° Turn down 210°
Pixel	160,000 300,000	160,000 300,000	300,000 500,000	300,000 500,000 1,000,000
Depth of field	5-150mm	5-150mm	5-150mm	5-150mm
Field angle	140°	140°	140°	140°

Main Unit of Compatible



HD image processor:

Powerful, brightness colour and contrast adjustable from 0-100levels, supports HDMI HD signal output.

- Resolution: 2,000,000 pixels
- Display screen: 13.3 inches
- Resolution: 1920×1080
- Viewing angle: 120-160 degrees
- Auto/Manual white Balance: Auto/ManualSensor
- Technology: CMOS
- Video output: HDMI IN and HDMI OUT, USB
- Function: Enhanced hemoglobin,Department
- Storage: USB stick for direct photo and video saving
  Take photos, review photos, and replay videos
- Power supply: AC85~264V

Electronic Choledochoscope



Ultra-fine Electronic Endoscope



It can be compatible with multiplex electronic pyeloscope host system,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 devicePerfusion pump system that can connect existing brand and domestic brand in operating room,Use aseptic independent packaging, disposable.

Choledochoscope Parameter

Diameter	Φ2.5mm	Φ2.8mm	Φ4.8mm	Φ5.1mm
Length(Optional)	550mm	550mm	380mm	380mm
Working Channel	Φ1.2mm	Φ1.2mm	Φ2.2mm	Φ2.6mm
Angle of bend	Turn up 210° Turn down 210°	Turn up 210° Turn down 210°	Turn up 210° Turn down 210°	Turn up 210° Turn down 210°
Pixel	160,000 300,000	160,000 300,000	160,000 300,000	160,000 300,000
Depth of field	5-150mm	5-150mm	5-150mm	5-150mm
Field angle	140°	140°	140°	140°

Main Unit of Compatible



HD image processor:

Powerful, brightness colour and contrast adjustable from 0-100levels, supports HDMI HD signal output.

- Resolution: 2,000,000 pixels
- Display screen: 13.3 inches
- Resolution: 1920×1080
- Viewing angle: 120-160 degrees
- Auto/Manual white Balance: Auto/ManualSensor
- Technology: CMOS
- Video output: HDMI IN and HDMI OUT, USB
- Function: Enhanced hemoglobin,Department
- Storage: USB stick for direct photo and video saving
  Take photos, review photos, and replay videos
- Power supply: AC85~264V

Electronic Gastrointestinal Endoscope



Image Processor

Image processor: powerful, brightness, colour and contrast adjustable from 0-100 levels

Resolution: 1,000,000 pixels

Auto / Manual White balance: Auto / Manual

Video output: HDMI IN/ HDMI OUT/ USB

Image video storage: USB stick for direct photo and video saving

LED Light Source

Spectrum range: 400-700nm

LED power: 100W

LED illumination: ≥200,000Lx

Service Life: 50,000 hours

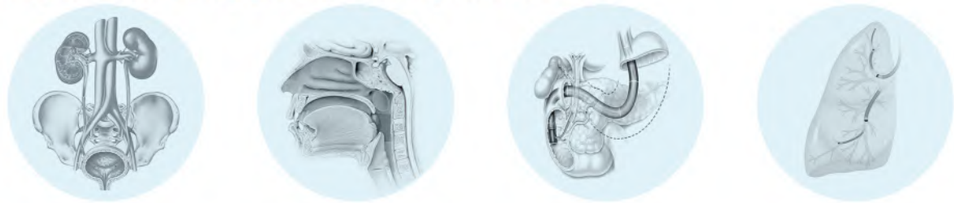
Color temperature: ≥5500K

Air pressure and gas flow: Air pressure: 30~60KPa, air flow: 4~10L/min

Air pump adjustment: 0 to 3 is adjustable

Power supply: AC 85~264V

Optional Supported Departments



Gastroscope Parameter

Outer diameter of main hose	≤Φ6.0mm	≤Φ9.8mm
Inner diameter of clamp pipe	≥Φ2.2mm	≥Φ2.8mm
Working length	1050mm	1050mm
Total length	≥1350mm	≥1350mm
Field of view	≥140 °(direct view)	≥140 °(direct view)
Observation depth	≥2-200mm	≥2-100mm
Resolution	≥1,000,000 pixels	≥1,000,000 pixels
Bending angle	Up≥210°，Down≥100° Left And Right> 100°	Up≥210°，Down≥100° Left And Right> 100°

Colonoscope Parameter

Outer diameter of main hose	≤Φ8.7mm	≤Φ12.8mm
Inner diameter of clamp pipe	≥Φ2.8mm	≥Φ3.75mm
Working length	1500mm	1350mm
Total length	≥1650mm	≥1650mm
Field of view	≥160 °(direct view)	≥170 °(direct view)
Observation depth	≥2-100mm	2-150mm
Resolution	≥1,000,000 pixels	1,000,000 pixels
Bending angle	Up And Down≥180° Left And Right ≥160°	Up And Down≥180° Left And Right ≥160°

2-IN-1 Endoscope



The camera has white balance, video recording, freezing, photo taking, storage,etc. It can be equipped with network, remote consultation teaching, etc.

Applicable departments:
Gynecology, urology, hepatobiliary surgery, orthopedics, otolaryngology, neurosurgery, cosmetology and other examinations and operations.

Main Unit of Compatible



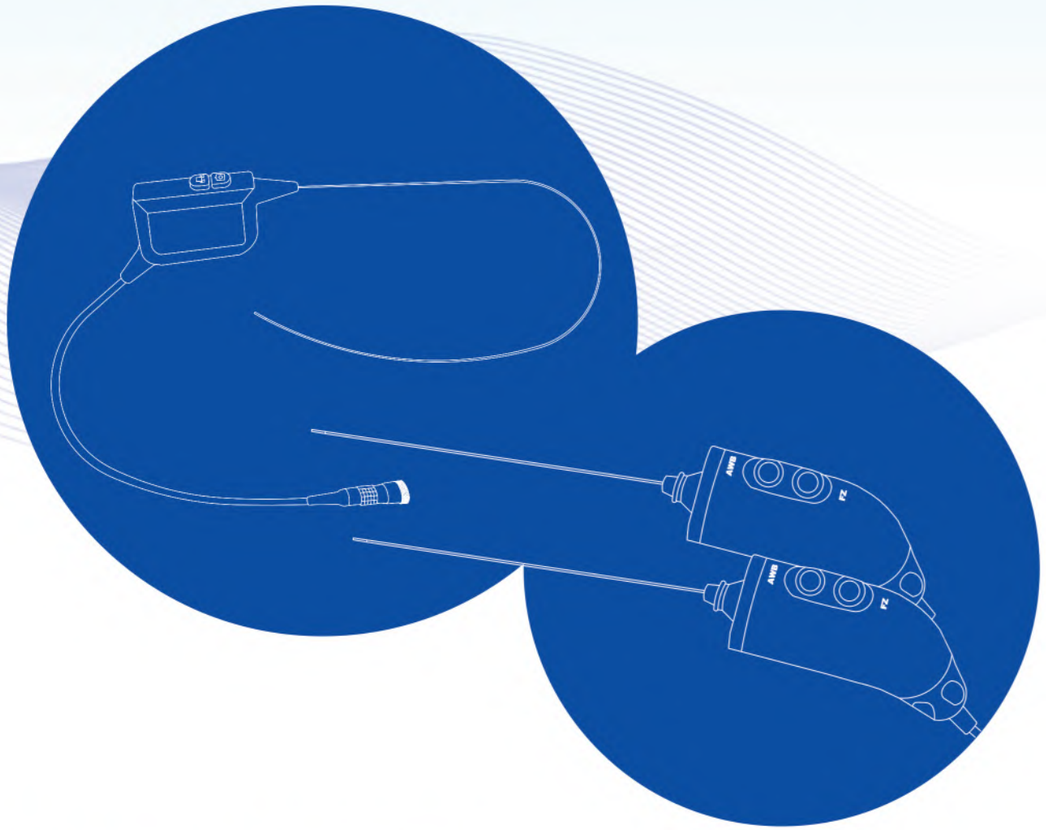
HD-330 Product Parameter

Size of CMOS: 1/1.8 "
Resolution: 1920 (H) ×1200(V)
Definition: 2,600,000 pixels
Minimal illumination: 0.3Lux
Video output: 3G-SDI, DVI, VGA, HDMI,USB
Power: 85 ~ 264VAC
Shutter speed: 1/60~1/60000(NTSC),1/50~50000(PAL)
Camera cable: 2.8m/Special lengths customized
LED Lamp power: 100W
Service Life: ≥50000Hours
Language: Chinese, English, Russian, Japanese and Spanish can be switched

HD-820 Product Parameter

Size of CMOS: 1/1.8 "
Resolution: 1920 (H) ×1080(V)
Definition: 2,000,000 pixels
Minimal Illumination: 0.3Lux
Video Output: 3G-SDI, DVI, VGA, HDMI,USB
Power: 85 ~ 264VAC
Shutter Speed: 1/60~1/60000(NTSC),1/50~50000(PAL)
Camera Cable: 2.5m/ Length customized
LED Lamp Power: 100W
Service Life: ≥50000Hours
Language: Chinese, English, Russian, Japanese and Spanish can be switched

Ultra-fine Electronic Endoscope



Main Unit Connection



† Split-type Gastrointestinal Endoscopy System



† PAD

† All-in-one Gastrointestinal Endoscopy System



† Portable All-in-one System



† Portable All-in-one Gastrointestinal Endoscopy System

USB Connection

① Mobile Phones, Tablets, Computers (Android System)



† Smartphone † PAD † PC

② Connect to smartphones, tablets and computers by using an adapter.



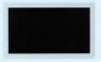
† Smartphone † PAD † PC

USB Extended Wireless Connection

Mobile Phones & Tablets
(Supports Multi-terminal Simultaneous Imaging)



† Smartphone



† PAD



† TV

Detailed Parameters

Headend	Φ0.88mm	Φ0.98mm	Φ1.3mm	Φ1.4mm	Φ1.4mm	Φ1.8mm	Φ1.8mm
Working Channel	-	-	-	0.4mm	-	0.8mm	0.4mm
Length	122-450mm(Optional)	122-450mm(Optional)	122-450mm(Optional)	122-450mm(Optional)	122-450mm(Optional)	122-450mm(Optional)	122-450mm(Optional)
Field Of View	140°	140°	140°	140°	140°	140°	140°
Depth Of Field	2-50mm	2-50mm	2-50mm	2-50mm	2-50mm	2-50mm	2-50mm
Light Source	LED	LED	LED	LED	LED	LED	LED
Pixel	160,000	160,000	160,000	160,000	520,000	160,000	520,000