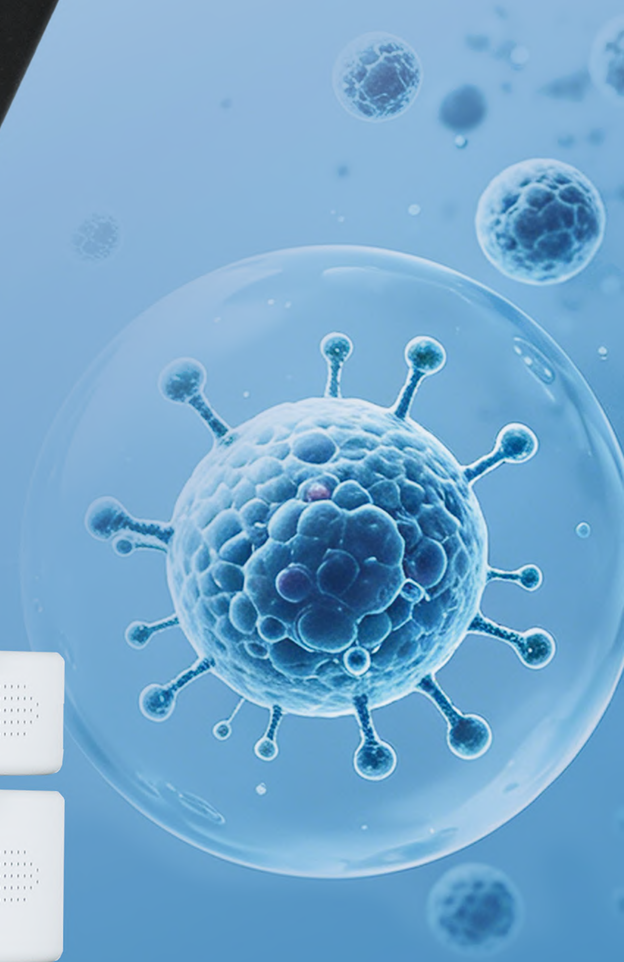
GEIWRE®

吉米威尔

ELECTRONIC FLEXIBLE ENDOSCOPE







GEV-580 (1,000,000 pixel)



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: ≥20W Lx

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

HD2410

HDMI/DVI/USB/DP/TYPE,1920×1080P / 3840×2160

(Standard Configuration: 24-inch HD Monitor HD-2410W)

Endoscopy medical trolley

Four layer trolley

Gastroscope

Outer diameter of main hose: ≤Φ6.0mm

Inner diameter of clamp pipe: ≥Φ2.2mm

Working length: 1050mm

Total length: ≥1350mm

Field of view: ≥140 °(direct view)

Observation depth: ≥2-200mm

Resolution: ≥1,000,000 pixels

Bending angle: ≥ 210° upward （D）≥ 100°

Left (L)100°, right (R)100°

Outer diameter of main hose: ≤Φ9.8mm

Inner diameter of clamp pipe: ≥Φ2.8mm

Working length: 1050mm

Total length: ≥1350mm

Field of view: ≥140 °(direct view)

Observation depth: ≥2-100mm

Resolution: ≥1,000,000 pixels

Bending angle: ≥ 210° upward ≥ 100° downward

Left and right ≥ 100 °

Colonoscope

Outer diameter of main hose: ≤Φ8.7mm

Inner diameter of clamp pipe: ≥Φ2.8mm

Working length: 1500mm

Total length: ≥1650mm

Field of view: ≥160 °(direct view)

Observation depth: ≥2-100mm

Resolution: ≥1,000,000 pixels

Bending angle ≥ 180° upward （D）≥ 180°

Left (L)160°, right (R)160°

Outer diameter of main hose: ≤Φ12.8mm

Inner diameter of clamp pipe: ≥Φ3.75mm

Working length: 1350mm

Total length: ≥1650mm

Field of view: ≥170 °(direct view)

Observation depth: 2-150mm

Resolution:1,000,000 pixels

Bending angle: ≥180° upward /≥ 180° downward /≥ 100° left （L） ≥ 160° ,right(R)160°,

GEV-580 (1,000,000 pixels+NBI+AI)



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/ DVI/ USB

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

LED Light source

1. White light
2. Green light
3. Blue light
4. Purple light / Violet light
5. Red light spectrum range: 400-700nm

Optional Combinations

LED power: 140W
LED illumination: ≥20W Lx
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

HD3210

HDMI/DVI/USB/DP/TYPE,1920×1080P / 3840×2160
(Standard Configuration: 32-inch HD Monitor HD-3210W)

Endoscopy medical trolley

Four layer trolley

Gastroscope

Outer diameter of main hose: ≤Φ9.8mm
Inner diameter of clamp pipe: ≥Φ2.8mm
Working length: 1050mm
Total length: ≥1350mm
Field of view: ≥140 º(direct view)
Observation depth: ≥2-200mm
Resolution: ≥1,000,000 pixels
Bending angle ≥ 210º upward ≥ 100º down

Colonoscope

Outer diameter of main hose: ≤Φ12.9mm
Inner diameter of clamp pipe: ≥Φ4.2mm
Working length: 1350mm
Total length: ≥1650mm
Field of view: ≥170 °(direct view)
Observation depth: 2-150mm
Resolution: ≥1,000,000 pixels
Bending angle: ≥180° upward /≥ 180° downward /≥ 180° left （L） ≥ 160° ,right(R)160°

AI Automated Analysis System

Built-in deep learning algorithms automatically identify and mark tiny polyps, ulcers, and other lesions, calculating lesion size in real time, reducing the missed diagnosis rate and shortening surgery time.

Combined with 4K NBI technology, the detection rate of early gastrointestinal cancer is increased from less than 20% to over 27.6%, with a sensitivity of up to 98.2%. AI can mark tiny polyps, erosions, and abnormal blood vessel morphologies that are easily missed under traditional white light in real time, making "optical biopsy" a true reality.

AI Intelligent Analysis Module:

Core Hardware: Built-in dedicated NPU neural network processor and GPU image accelerator processor
Analysis Functions: Real-time automatic identification of lesions/abnormal blood vessels, automatic calculation of lesion size, and highlighting
Interactive Functions: Supports intelligent voice control, with a recognition rate of ≥95% in noisy environments
Data Interface: Supports USB 3.0/Type-C high-speed interface, enabling plug-and-play 4K video recording and local AI model training.

GEV-580 (2,000,000 pixels)



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: ≥20W Lx

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

HD2710

HDMI/DVI/USB/DP/TYPE,1920×1080P / 3840×2160

(Standard Configuration: 27-inch HD Monitor HD-2710W)

Endoscopy medical trolley

Four layer trolley

Gastroscope

Outer diameter of main hose: ≤Φ9.8mm

Inner diameter of clamp pipe: ≥Φ2.8mm

Working length: 1050mm

Total length: ≥1350mm

Field of view: ≥140 °(direct view)

Observation depth: ≥2-200mm

Resolution: 2,000,000 pixels

Bending angle: ≥ 210°

upward (D): ≥ 100°

Left (L)100°, right (R)100°,

Colonoscope

Outer diameter of main hose: ≤Φ12.8mm

Inner diameter of clamp pipe: ≥Φ3.75mm

Working length: 1350mm

Total length: ≥1650mm

Field of view: ≥170 °(direct view)

Observation depth: ≥2-150mm

Resolution: 2,000,000 pixels

Bending angle ≥ 180° upward ≥ 180° downward

Left and right ≥ 160 °

GEV-580 (2,000,000 pixel+NBI+AI)



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/ DVI/ USB

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

LED Light source

1. White light
2. Green light
3. Blue light
4. Purple light / Violet light
5. Red light

Optional Combinations

Spectrum range: 400-700nm
LED power: 140W
LED illumination: ≥20W Lx
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

HD3210

HDMI/DVI/USB/DP/TYPE,1920×1080P / 3840×2160
(Standard Configuration: 32-inch HD Monitor HD-3210W)

Endoscopy medical trolley

Four layer trolley

Gastroscope

Outer diameter of main hose: ≤Φ9.8mm
Inner diameter of clamp pipe: ≥Φ2.8mm
Working length: 1050mm
Total length: ≥1350mm
Field of view: ≥140 º(direct view)
Observation depth: ≥2-200mm
Resolution: ≥2,000,000pixels
Bending angle ≥ 210º upward ≥ 100º downward
Left and right ≥ 100 º (With water supply)

Colonoscope

Outer diameter of main hose: ≤Φ12.9mm
Inner diameter of clamp pipe: ≥Φ4.2mm
Working length: 1350mm
Total length: ≥1650mm
Field of view: ≥170 º(direct view)
Observation depth: ≥2-150mm
Resolution: ≥2,000,000 pixels
Bending angle: ≥180°
upward ≥ 180° downward ≥ 180°
left (L) ≥ 160° right (R) ≥160°,

AI Automated Analysis System

Built-in deep learning algorithms automatically identify and mark tiny polyps, ulcers, and other lesions, calculating lesion size in real time, reducing the missed diagnosis rate and shortening surgery time.

Combined with 4K NBI technology, the detection rate of early gastrointestinal cancer is increased from less than 20% to over 27.6%, with a sensitivity of up to 98.2%. AI can mark tiny polyps, erosions, and abnormal blood vessel morphologies that are easily missed under traditional white light in real time, making "optical biopsy" a true reality.

AI Intelligent Analysis Module:
Core Hardware: Built-in dedicated NPU neural network processor and GPU image accelerator processor
Analysis Functions: Real-time automatic identification of lesions/abnormal blood vessels, automatic calculation of lesion size, and highlighting
Interactive Functions: Supports intelligent voice control, with a recognition rate of ≥95% in noisy environments
Data Interface: Supports USB 3.0/Type-C high-speed interface, enabling plug-and-play 4K video recording and local AI model training.

Portable Gastrointestinal Integrated System



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/ DVI/ USB

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

LED Light source

Spectrum range: 400-700nm

LED power: 100W

LED illumination: ≥20W Lx

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

HD2410

HDMI/DVI/USB/DP/TYPE,1920×1080P / 3840×2160

(Standard Configuration: 24-inch HD Monitor HD-2410W)

Endoscopy medical trolley

Standard version with desktop base

Gastroscope (Optional)

Outer diameter of main hose: ≤Φ6.0mm

Inner diameter of clamp pipe: ≥Φ2.0mm

Working length: 1050mm

Total length: ≥1350mm

Field of view: ≥140 °(direct view)

Observation depth: ≥2-200mm

Resolution: ≥1,000,000 pixels

Bending angle ≥ 210° upward （D）≥ 100°

Left and right: ≥ 100 °

Colonoscope (Optional)

Outer diameter of main hose: ≤Φ8.4mm

Inner diameter of clamp pipe: ≥Φ2.8mm

Working length: 1350mm

Total length: ≥1650mm

Field of view: ≥170 °(direct view)

Observation depth: ≥2-150mm

Resolution: ≥1,000,000 pixels

Bending angle ≥ 180° upward （D）≥ 180°

Left (L)160°, right (R)160°



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.

Rhinolaryngoscope Parameter

Φ 2.8

Maximum Outer Diameter of Insertion Tube: ≤Φ3.0mm
Minimum Inner Diameter of Instrument Channel: ≥Φ1.2mm
Working length: 302-480mm
Field of view: ≥120 °(direct view)
Observation depth: ≥2-150mm
Resolution: ≥520,000 pixels
Bending angle: ≥ 130° upward （D）≥ 130°

Φ 4.0

Maximum Outer Diameter of Insertion Tube: ≤Φ4.2mm
Minimum Inner Diameter of Instrument Channel: ≥Φ2.0mm
Working length: 302-480mm
Field of view: ≥120 °(direct view)
Observation depth: ≥2-150mm
Resolution: ≥520,000 pixels
Bending angle: ≥ 130° upward （D）≥ 130°

Φ 5.0

Maximum Outer Diameter of Insertion Tube: ≤Φ5.2mm
Minimum Inner Diameter of Instrument Channel: ≥Φ2.8mm
Working length: 302-480mm
Field of view: ≥120 °(direct view)
Observation depth≥: 2-150mm
Resolution: ≥520,000 pixels
Bending angle: ≥ 130° upward （D）≥ 130°

Φ 5.8

Maximum Outer Diameter of Insertion Tube: ≤Φ6.0mm
Minimum Inner Diameter of Instrument Channel: ≥Φ3.0mm
Working length: 302-480mm
Field of view: ≥120 °(direct view)
Observation depth: ≥2-150mm
Resolution: ≥520,000 pixels
Bending angle: ≥ 130° upward （D）≥ 130°



Electronic Bronchoscope

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

Φ 2.8

Maximum Outer Diameter of Insertion Tube: ≤Φ3.0mm
Minimum Inner Diameter of Instrument Channel: ≥Φ1.2mm
Working length: 480-600mm
Field of view: ≥120 °(direct view)
Observation depth: ≥2-150mm
Resolution: ≥520,000 pixels
Bending angle: ≥ 210° upward（D）≥ 120°

Φ 4.0

Maximum Outer Diameter of Insertion Tube: ≤Φ4.2mm
Minimum Inner Diameter of Instrument Channel: ≥Φ2.0mm
Working length: 480-600mm
Field of view: ≥120 °(direct view)
Observation depth: ≥2-150mm
Resolution: ≥520,000 pixels
Bending angle: ≥ 210° upward（D）≥ 120°

Φ 5.0

Maximum Outer Diameter of Insertion Tube: ≤Φ5.2mm
Minimum Inner Diameter of Instrument Channel: ≥Φ2.8mm
Working length: 480-600mm
Field of view: ≥120 °(direct view)
Observation depth: ≥2-150mm
Resolution: ≥520,000 pixels
Bending angle: ≥ 210° upward （D）≥ 120°

Φ 5.8

Maximum Outer Diameter of Insertion Tube: ≤Φ6.0mm
Minimum Inner Diameter of Instrument Channel: ≥Φ3.0mm
Working length: 480-600mm
Field of view: ≥120 °(direct view)
Observation depth: ≥2-150mm
Resolution: ≥520,000 pixels
Bending angle: ≥ 210° upward （D）≥ 120°



Electronic Ureteroscope

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.

Ureteroscope Parameter

Φ 2.8

Outer diameter of main hose: ≤Φ2.8mm

Inner diameter of clamp pipe: ≥Φ3.0mm

Working length: 680mm

Total length: ≥520mm

Field of view: ≥140 °(direct view)

Observation depth: ≥2-150mm

Resolution: ≥520,000 pixels

Bending angle: ≥ 270° upward （D）≥ 180°



Electronic thoracoscopy and laparoscopy

Electronic thoracoscopy

As a minimally invasive endoscopic device dedicated to thoracic surgery, the electronic thoracoscope adopts high-definition electronic imaging technology to replace traditional thoracotomy. It features minimal surgical trauma, clearer intraoperative vision and faster postoperative recovery.

Electronic laparoscopy

Serving as a core minimally invasive device for general surgery, gynecology and other clinical departments, the electronic laparoscope is applicable to various abdominal organ surgeries. It eliminates the need for large traditional laparotomy incisions and delivers outstanding minimally invasive performance.

Thoracoscopy and laparoscopy parameter

Φ 5.4

Outer diameter of main hose: ≤Φ5.3mm
Working length: 360-480mm
Total length: ≥600-780mm
Field of view: ≥170°(direct view)
Observation depth: ≥2-150mm
Resolution: 2,000,000 pixels
Bending angle: ≥ 210° upward: ≥ 130°

Φ 9.8

Outer diameter of main hose: ≤Φ9.8mm
Inner diameter of clamp pipe: ≥Φ2.8mm
Working length: 360-480mm
Total length: ≥600-780mm
Field of view: ≥170°(direct view)
Observation depth: ≥2-150mm
Resolution: 2,000,000 pixels
Bending angle: ≥ 210° upward: ≥ 130°

2-IN-1 ENDOSCOPE ▶ 4K



Medical Optional Configuration

• **Surgical:** 4K/ 4K ICG/ 4K stroboscopic/ 4K 3D/ HD
• **Medical:** 2K/ 4K/ 160,000pixels/ 520,000pixels/ 1,000,000pixels

Image processor

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

Resolution: 8,000,000 pixels (Options)
2,000,000 pixels (Options)

Auto / Manual White balance: Auto / Manual

Video output: HDMI/ DVI/ SDI/ RJ45/ USB 3.0

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

LED Light source

1. White light
2. Green light
3. Blue light
4. Purple light / Violet light
5. Red light spectrum range: 400-700nm

Optional Combinations

LED power: 140W
LED illumination: ≥20W Lx
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

HD3210

HDMI/DVI/USB/DP/TYPE,1920×1080P / 3840×2160
(Standard Configuration: 32-inch HD Monitor HD-3210W)

Endoscopy medical trolley

Four layer trolley

Gastroscope

Outer diameter of main hose: ≤Φ9.8mm
Inner diameter of clamp pipe: ≥Φ2.8mm
Working length: 1050mm
Total length: ≥1350mm
Field of view: ≥140 °(direct view)
Observation depth: ≥2-200mm
Resolution: ≥2,000,000 pixels
Bending angle ≥ 210° upward ≥ 100° downward
Left and right ≥ 100 °

Colonoscope

Outer diameter of main hose: ≤Φ12.9mm
Inner diameter of clamp pipe: ≥Φ4.2mm
Working length: 1350mm
Total length: ≥1650mm
Field of view: ≥170 °(direct view)
Observation depth: 2-150mm
Resolution: ≥2,000.000 pixels
Bending angle: ≥180° upward /≥ 180°
downward /≥ 180° left （L） ≥ 160° ,right(R)160°,

AI Automated Analysis System

Built-in deep learning algorithms automatically identify and mark tiny polyps, ulcers, and other lesions, calculating lesion size in real time, reducing the missed diagnosis rate and shortening surgery time.

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AI Intelligent Analysis Module:

Core Hardware: Built-in dedicated NPU neural network processor and GPU image accelerator processor
Analysis Functions: Real-time automatic identification of lesions/abnormal blood vessels, automatic calculation of lesion size, and highlighting
Interactive Functions: Supports intelligent voice control, with a recognition rate of ≥95% in noisy environments
Data Interface: Supports USB 3.0/Type-C high-speed interface, enabling plug-and-play 4K video recording and local AI model training.

WeChat official account

Company's website

Technical support

Complaint and advice

XUZHOU HENGJIA ELECTRONIC TECHNOLOGY CO.,LTD

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Problem complaint: +86 18852166677 (whatsapp) Complaints will be rewarded.

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