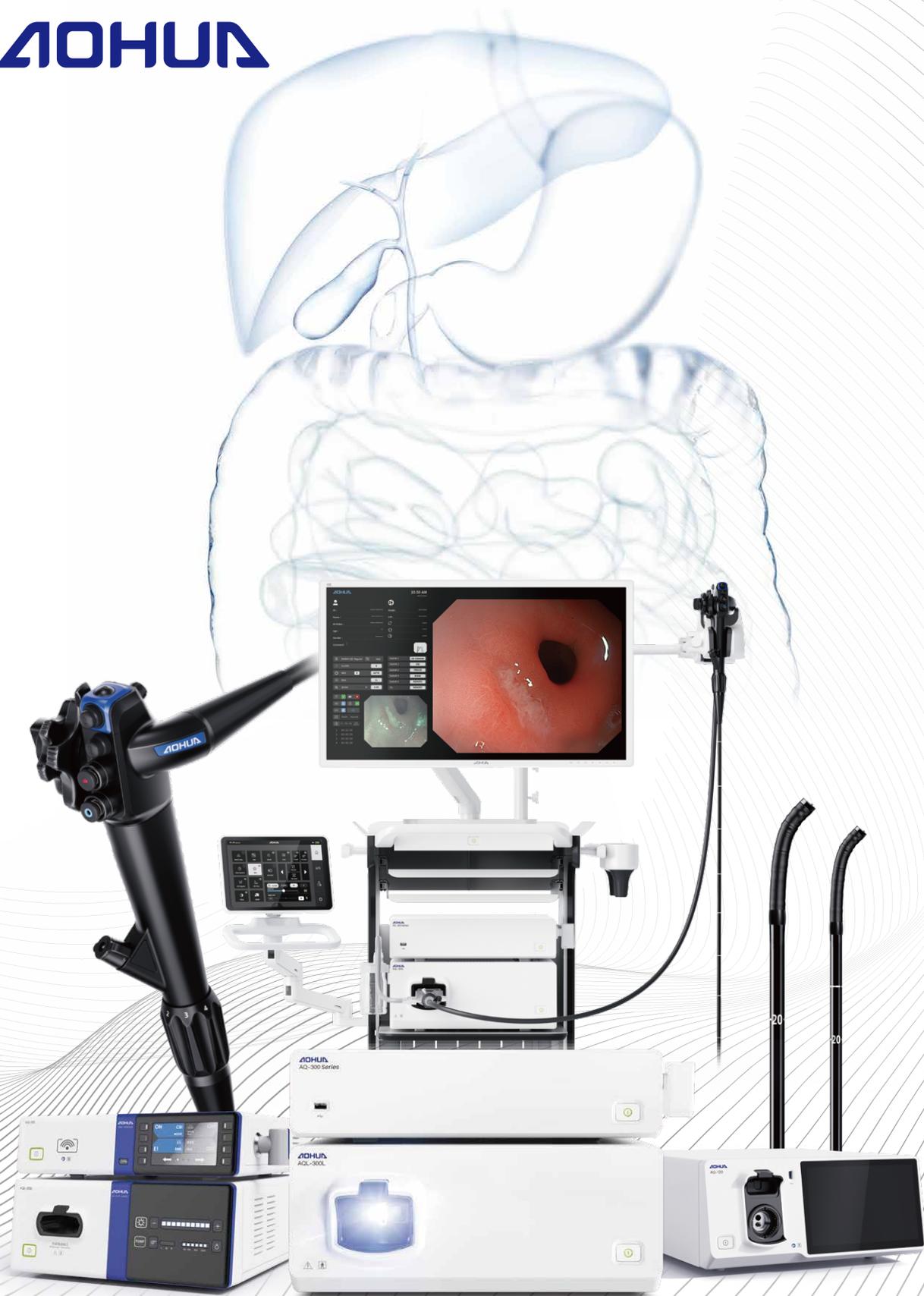# AOHUA

Gastrointestinal Endoscopy System

AQ-300 Ultra HD Endoscopy System

Contribute our most advanced and innovative technologies to this 4K flag-ship system to bring you the experience of future endoscopy

4 CBI modes on 5LED

The AQ-300 provides four chromoendoscopy modes achieved through various combinations of its five LEDs light source. These modes offer efficient, rapid, and precise solutions for clinical challenges in various scenarios.

White Light | CBI Regular | CBI Indigo | CBI Aqua | CBI Amber

Intelligent

An Innovative Human-Computer Interaction Model
Discover the AQ-300's advanced intelligent operational flow, featuring capabilities like facial recognition, voice control, and customizable settings accessible via a remote touch control panel.

Colo Smart Assistance (CSA)

Adjustable Stiffness / Sync Force Transmission / Elastic Bending

3 light guides

The endoscopic tip is designed with 3 light guides, ensuring brighter and more uniform illumination, especially for far-field areas.
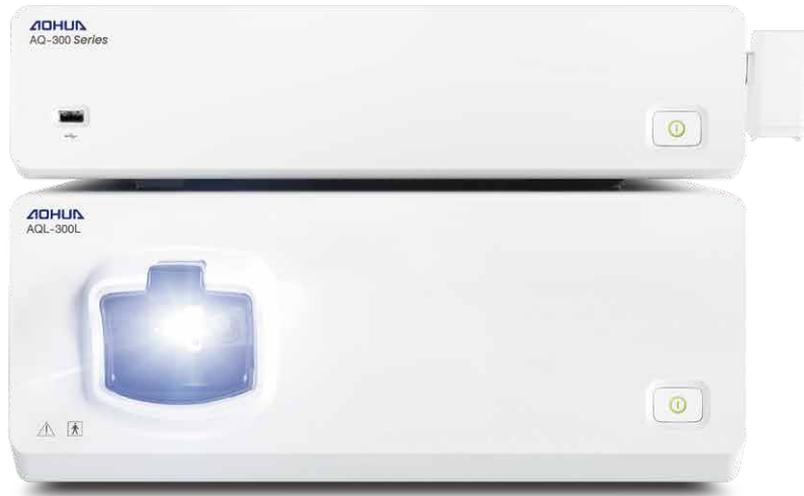
Full Range Portfolio

Gastroscope	Colonoscope	Duodenoscope	Ultra slim	Optical zoom

Functions and Features
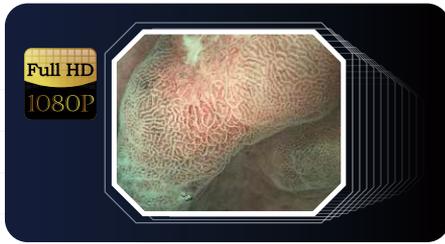
Light Source	5LED
Chromoendoscopy	CBI Regular/CBI Indigo/CBI Aqua /CBI Amber
Image Enhancement	Structure/Edge/Combination
Brightness Adjustment	Automatic /Manual mode
Digital zooming function	1/1.2/1.5/1.8/2 times
Freeze and playback	Freezes the real-time image and plays it back.
IRIS	Peak/Average/Auto
USB Storage	High definition images and videos can be stored at any time
Dual Image Display	Display both WLI image and CBI image

UHD-GT/CL/ED

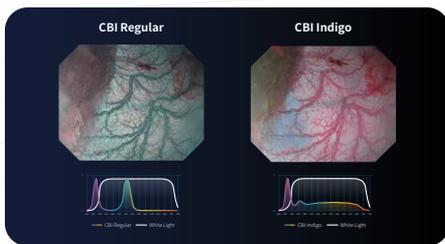|	Model	Working length	Total length	Distal end outer diameter	Insertion tube outer diameter	Instrument channel inner diameter	Depth of field	Field of View	Angulation range
Video Gastroscopes	* UHD-GT300	1100mm	1400mm	9.2mm	9.2mm	2.8mm	2-100mm	145°	U210°D120°L100° R100°
	* UHD-GT300T	1100mm	1400mm	9.8mm	9.6mm	3.2mm	2-100mm	145°	U210°D120°L100° R100°
	* UHD-GT300Z	1100mm	1400mm	9.9mm	9.6mm	2.8mm	1.5-3mm (Mag)	95°	U210°D120°L100° R100°
							3-100mm (Normal)	145°	
	UHD-GT300XP	1100mm	1400mm	5.4mm	5.8mm	2.4mm	2-100mm	140°	U210°D90°L100° R100°
	UHD-GT300XTP	1100mm	1400mm	5.9mm	6.0mm	2.8mm	2-100mm	140°	U210°D90°L100° R100°
Video Colonoscopes	* UHD-CL300I	1350mm	1650mm	12.2mm	12.0mm	3.8mm	2-100mm	170°	U180°D180°L160° R160°
	* UHD-CL300L	1700mm	2000mm	12.2mm	12.0mm	3.8mm	2-100mm	170°	U180°D180°L160° R160°
	* UHD-CL300TI	1350mm	1650mm	12.2mm	12.0mm	4.2mm	2-100mm	170°	U180°D180°L160° R160°
	* UHD-CL300TL	1700mm	2000mm	12.2mm	12.0mm	4.2mm	2-100mm	170°	U180°D180°L160° R160°
	* UHD-CL300ZI	1350mm	1650mm	12.8mm	12.0mm	3.8mm	2-3.5mm (Mag)	90°	U180°D180°L160° R160°
							3-100mm (Normal)	170°	
	* UHD-CL300ZL	1700mm	2000mm	12.8mm	12.0mm	3.8mm	2-3.5mm (Mag)	90°	U180°D180°L160° R160°
							3-100mm (Normal)	170°	
	* UHD-CL300PI	1350mm	1650mm	9.8mm	9.8mm	3.2mm	2-100mm	170°	U210°D180°L160° R160°
	* UHD-CL300PL	1700mm	2000mm	9.8mm	9.8mm	3.2mm	2-100mm	170°	U210°D180°L160° R160°
	* UHD-CL300TPI	1350mm	1650mm	10.2mm	10.5mm	3.8mm	2-100mm	170°	U210°D180°L160° R160°
	* UHD-CL300TPL	1700mm	2000mm	10.2mm	10.5mm	3.8mm	2-100mm	170°	U210°D180°L160° R160°
Video Duodenoscope	UHD-ED300V	1250mm	1530mm	13.5mm	11.2mm	4.2mm	4-60mm	100°	U120°D90°L90° R110°

*: Forwarding water-jet
Mag: magnification mode

AQ-120 New Essential Endoscopy System

FHD Superior Images Resolution

The AQ-120 adapts a FHD CMOS sensor to provide a high quality image. It produces a clear and sharp contrast on the edge between different tissues, displaying a superior image with more details to you.
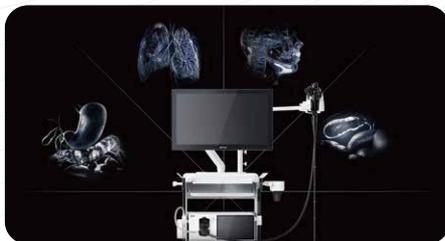
Beneficial 3-LED featuring 2 CBI Modes

The AQ-120 features two widely utilized chromoendoscopy modes, which are made possible by the diverse combinations of its three LED light sources. These modes deliver effective, rapid, and precise solutions for clinical challenges across various situations.

10.1-Inch Intuitive Touch Panel

The entire system can be effortlessly managed through a 10.1-inch touch screen. This customizable interface enhances the ease, convenience, and intelligence of system control.

Versatile Applications

The AQ-120 builds upon the legacy of its predecessors while being specifically engineered for the latest generation of endoscopes. It caters to the diverse requirements of various departments, including gastroenterology, pulmonology, respiratory care, and ENT. This device supports a wide range of applications, from fundamental diagnostics to advanced therapeutic procedures, all while allowing for future expansion capabilities.

Forward Waterjet

The forward waterjet function comes standard, enhancing the efficiency and convenience of your process.

Gastroscopes with a 120° Downward Angulation

Significant downward angulation to enhance the therapeutic procedure.

Functions and Features

Illumination	3LED lightsource
Chromoendoscopy	CBI Regular/CBI Indigo
Image enhancement	Structure/Edge/HBE
Brightness adjustment	Automatic /Manual mode
Digital zoom	1.0x, 1.2x, 1.5x, 1.8x, 2.0x, 4.0x
Freeze and playback	Freezes the real-time image and plays it back.
IRIS	Peak/ Average/ Auto
Internal Storage	500G
External Storage	USB
User interface	10.1inch customizable touchscreen

VCC/VGT

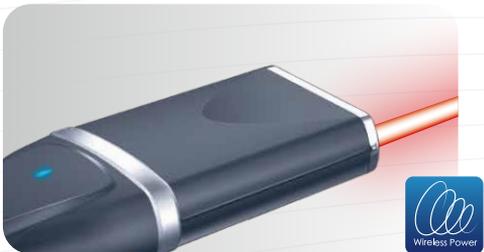|	Model	Working length	Total length	Distal end outer diameter	Insertion tube outer diameter	Instrument channel inner diameter	Depth of field	Field of View	Angulation range
Video Gastroscopes	* VGT-Q50J	1100mm	1400mm	9.2mm	9.2mm	2.8mm	2-100mm	145°	U210°D120°L100° R100°
	* VGT-1T50J	1100mm	1400mm	9.8mm	9.6mm	3.2mm	2-100mm	145°	U210°D120°L100° R100°
Video Colonoscopes	* VCC-Q50JI	1350mm	1650mm	12.2mm	12.0mm	3.8mm	2-100mm	170°	U180°D180°L160° R160°
	* VCC-Q50JL	1700mm	2000mm	12.2mm	12.0mm	3.8mm	2-100mm	170°	U180°D180°L160° R160°
	* VCC-1T50JI	1350mm	1650mm	12.2mm	12.0mm	4.2mm	2-100mm	170°	U180°D180°L160° R160°
	* VCC-1T50JL	1700mm	2000mm	12.2mm	12.0mm	4.2mm	2-100mm	170°	U180°D180°L160° R160°

*: Forwarding water-jet

AQ-200 HD Endoscopy System

A One-stop, full HD and advanced video endoscopy system
armed with a variety of exclusive features, to make your work easier

Waterproof and one-touch connection

Lower the risk of water damages by using our fully waterproof system. Shorten your exchange time between procedures with the one-touch connection. Benefit from our convenient features and lighten your workload!

Laser transmission and wireless power supply

8GB/s high speed laser transmission assures real-time image synchronization and improves anti-interference performance during complex interventions. By avoiding metal pin contacts, the Wireless power supply guarantees a long-term stable connection and improves the scope´s sealing performance.
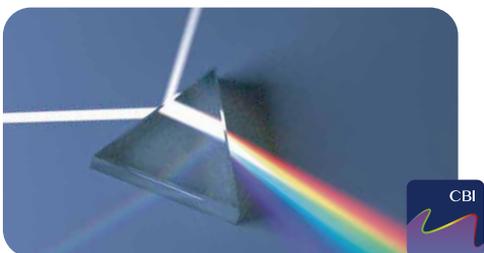
Full HD image resolution

Equipped with a 2-megapixel CMOS sensor, the endoscopes offer an impressive Full HD image resolution. Make use of our detailed and crystal clear image.
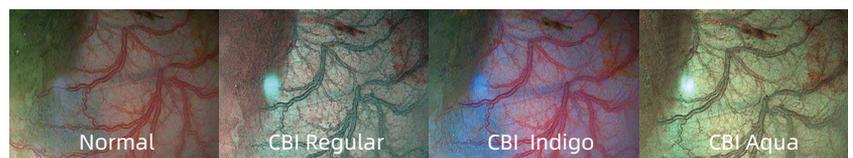
Dual image display

Having the white light image and a optical chromoendoscopy image on the same screen is an excellent educational tool to help demonstrate the difference shown on CBI mode. By using this exclusive feature you can shorten the learning curve, without the need to change between different light modes.

CBI chromoendoscopy

Optical staining technology CBI allows the best balance among illumination, vascular color contrast, and mucosal structure. This tool helps you detecting lesions and early cancer at the convenient way, by simply pressing a button.

Normal   CBI Regular   CBI Indigo   CBI Aqua

Excel in maneuverability

The new ergonomics reduces fatigue and helps to reduce both, the patient's and your discomfort.

Functions and Features

Light Source	300W Xenon / 3LED
Chromoendoscopy	CBI Regular, CBI Indigo & CBI Aqua (3LED
Image Enhancement	only)
Brightness Adjustment	Structure/Edge/Color
Digital Zoom	Auto/Manual
IRIS	1/1.2/1.5/2x
Storage	Peak/Average/Auto
Dual Image Display	USB
User Profile	Two Images

FHD-GT/CL

	Model	Working length	Total length	Distal End outer diameter	Insertion Tube outer diameter	Instrument Channel inner diameter	Depth of field	Field of View	Angulation range
Video Gastroscopes	FHD-GT200	1050mm	1350mm	9.8mm	9.6mm	2.8mm	3-100mm	145°	U210°D90°L100°R100°
	*FHD-GT200J	1050mm	1350mm	10.5mm	10.5mm	2.8mm	3-100mm	145°	U210°D90°L100°R100°
	*FHD-GT200JT	1050mm	1350mm	10.5mm	10.5mm	3.2mm	3-100mm	140°	U210°D90°L100°R100°
Video Colonoscopes	FHD-CL200I	1300mm	1600mm	12.8mm	12.8mm	3.7mm	3-100mm	145°	U180°D180°L160°R160°
	FHD-CL200L	1650mm	1950mm	12.8mm	12.8mm	3.7mm	3-100mm	145°	U180°D180°L160°R160°
	*FHD-CL200JI	1300mm	1650mm	12.8mm	12.8mm	3.7mm	3-100mm	145°	U180°D180°L160°R160°
	*FHD-CL200JL	1650mm	2000mm	12.8mm	12.8mm	3.7mm	3-100mm	145°	U180°D180°L160°R160°

(*: Forwarding water-jet)

Peripheral Equipment

AFP-1 Endoscopic Irrigation Pump

The water flushing pump flushes out blood, tissue and debris during the procedure, and helps to ensure a better view for patients who are not well prepared.

- 20'cutoff time after continuous flushing
- Compatible with waterjet and instrument channel
- Powerful and straight in line flushing
- 10-level precise water flow control
- Foot switch control
- Closed machine body and removable pump head

ACD-1 Endoscopic CO_2 Insufflation Device

The CO_2 insufflator regulates carbon dioxide gas into a safe and stable level to supply endoscopes. CO_2 gas can be used to insufflate lumen for wider space, reduce smoke during intervention, increase patient comfort and shorten discovery time after the procedure.

- Compatible with both gas tank and centralized supply
- Compact design and easy to use
- Gas filtering before entering the machine
- Two-step decompression mechanism

ALD-1 Automatic Leakage Tester

The leak test is a time-consuming but very important test that must be performed before each reprocessing of an endoscope. By performing it automatically, this can save time and energy.

- Fully automatic, simply by pressing a button
- Compatible with scopes from major brands
- Compact design, easy to install and use
- IF design awarded

AET-S2 Trolley

The whole endoscopy system and peripheral devices can be accommodate to a single trolley, with an adjustable rack and protection of the wheel break.

- Freely adjust according to the needs
- Unified power supply for multiple devices
- One-button switch on/off, simplifying daily use
- Support the installation of multiple monitors

S320P/S270H4K Medical Monitor

- 32-inch 4K ultra high definition medical grade brighter monito.
- The 27-inch professional large medical monitor can display images more clearly.

Endotherapeutic Accessories

Disposable Biopsy Forceps

Disposable Biopsy Forceps are intended to be used with a flexible endo-scope to aid physicians in collecting tissues from a patient for histologic examination.

Description		Model	Specification
	Oval Cup coated	JRQ-Y-1816-PAC	1.8mm D x 1600mm L
		JRQ-Y-2323-PAC	2.3mm D x 2300mm L
	Alligator Cup coated	JRQ-Y-1816-EAC	1.8mm D x 1600mm L
		JRQ-Y-2323-EAC	2.3mm D x 2300mm L

Disposable Grasping Forceps

Disposable Grasping Forceps are intended to be used with a flexible endoscope to aid physicians in endoscopic retrieval of foreign and endog-enous matter within the digestive tract and trachea.

Description		Model	Specification
	Rat Teeth with Alligator Jaw	JRY-QF-1816	1.8mm D x 1600mm L
	Alligator Jaw	JRY-QE-2423	2.4mm D x 2300mm L
	Rat tooth Jaw	JRY-QD-2423	2.4mm D x 2300mm L
	Pelican Jaw	JRY-QT-2423	2.4mm D x 2300mm L

Cleaning Brush

Be used to clean the endoscope channel and suction tube.

Description		Model	Specification
	Single use, one head	JRX1823	1.8mm D x 2300mm L
	Reusable, one head	JRF1823	1.8mm D x 2300mm L

Disposable Air/Water Supply Tubing

Disposable air/water supply tubing is intended to be used with an air or CO_2 pump along with a sterile water source to supply air or CO_2, and sterile water to an endoscope during endoscopic procedures.

Description	Model	Specification
Capable for Aohua & Olmypus	JRST-SO-B	Two-way valve Pipe length 1100mm

Disposable Irrigation Tubing

Disposable irrigation tubing is intended to be used with a peristaltic pump along with a sterile water source to supply sterile water to an endoscope during endoscopic procedures.

Description	Model	Specification
Single use	JRIT-IB	Tubing diameter Φ6.4*1.6mm Working length 3250mm

Disposable Endoscope Valves Kit

The Disposable Endoscope Valves Kit is enabled the functions of the parts that the model consists of.

Description	Model	Specification
3-piece Kit	JRV-G03S	Disposable Suction Air/Water and Biopsy Valves)

AOHUA

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See the Manual for details of contraindications or precautions.