Features	AQ-400
Station	Compact, Water-proof
Video output	12G-SDI,3G-SDI,DVI,HDMI,VIDEO,RGB,Y/C
Resolution	4K(UHD)
Chromoendoscopy	CBI-regular, CBI-indigo, CBI-aqua, CBI-amber
Amplifier (zoom)	1.0,1.2,1.5,1.8,2.0,4.0
Light source	5 color LED
Iris	Peak/Average/Auto
Dual image display	Yes
Air pump	High/Medium/Low
AGC	Yes
USB storage	Yes
White balance	Regular
Image enhancement	Structure/Edge/HbE, Dark CoRR ,STCE
Freeze	FRZ-PIC-SEL

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See the manual for details of contraindications or precautions.

v4.0_2604_EU

Ultra HD Endoscopy System

AQ-400

See More, See Sharper



Advanced Image Quality

Ultra-High-Definition Imaging

3840 × 2160 Resolution

Brings mucosal details to life with stunning clarity—revealing fine vascular patterns, precise lesion boundaries, and rich tissue textures. This enhanced visual detail empowers doctors to detect subtle and early-stage lesions with greater confidence.



STCE (Structure, Texture & Color Enhancement)

STCE highlights critical tissue structures across multiple scales while enhancing color and brightness contrast between vessels and surrounding tissues. By making lesions stand out with greater clarity, STCE improves visualization and supports faster, more confident clinical decision-making.







CBI-R (CBI Regular)

CBI-R delivers high-contrast imaging by leveraging the short-wavelength absorption characteristics of hemoglobin. By combining 405–425 nm blue-violet light with 530 nm green light, it enables simultaneous visualization of superficial capillary networks and deeper submucosal vessels—supporting precise lesion characterization and early cancer detection.

CBI-D (CBI Indigo)

Designed to balance spectral enhancement with natural visualization, CBI-D integrates low-intensity blue spectral enhancement with optimized white light. This approach strengthens vascular texture contrast and amplifies color differentiation in red regions, effectively enhancing the contrast between mucosa and blood vessels.

CBI-Q (CBI Aqua)

Engineered for consistent image clarity at extended viewing distances, CBI-Q enriches color volume and visual depth using selected blue and green narrow-band light. Ideal for wide-area screening and rapid lesion localization.

CBI-M (CBI Amber)

CBI-M integrates red and green light with a strategic emphasis on amber wavelengths, combined with structural contrast enhancement. This mode enables clearer visualization of deep mucosal vessels and active bleeding sites, supporting rapid identification of bleeding sources and effective hemostasis—even under blood immersion.

Versatile Endoscope Portfolio

Designed for Multi-Specialty Clinical Applications



Extended Depth of Field Endoscope



Video Endoscope



Ultra-Slim Magnification Colonoscope



Duodenoscope



Extended Depth of Field

This endoscope captures two images at varying distances, then merges them into a single frame, which delivers exceptional clarity across the entire field of view and minimizes the need for constant toggling between normal and close modes. And when activated, the extended focus technology reveals fine mucosal microstructures for precise diagnosis.



140x Optical Magnification

The endoscope delivers powerful 140x magnification by combining advanced optics with image processing. Algorithm optimization ensures consistently sharp, clear images, preserving fine details without distortion for accurate visualization.



Duodenoscope

Built-in Forward Waterjet Function.



At your fingertips

This system adopts a smart, interactive interface designed to provide users with streamlined operations and intuitive information display, making the clinical workflow simpler and faster.



DICOM-Integrated User Management Platform

The built-in management platform integrates a complete customer management system, patient preset functions, and onboard storage solutions. This not only boosts operational efficiency but also enables comprehensive data management and seamless access to enhanced support services.

Fully supports DICOM standards, enabling seamless data exchange with hospital information systems and PACS.



Integrated Compact Design

The integrated compact system unifies the image processor, light source, and control panel into a single streamlined unit, significantly simplifying installation and setup. Its lightweight, space-efficient design enables effortless mobility and supports clean, flexible deployment across diverse clinical environments.



Dual Image Display

The dual-image display enables real-time visualization of white-light and chromoendoscopy images from the same tissue area, allowing direct visual contrast between different enhancement modes to facilitate more accurate diagnosis.

