



PLAMYRA STV-400
4k-UHD Video Endoscopy System

4k-UHD Video Endoscopy System

STV-400, upgraded in terms of imaging, staining, maneuverability, and intelligence, is an advanced and high-end platform for endoscopic diagnosis and disease management.



Laser Transmission & Wireless Power Supply



Benefit from laser transmission for high-speed and reliable transmission of images, along with enhanced insulation strength and anti-interference for high-frequency signals. This technology ensures more stable image transmission. Additionally, wireless power supply eliminates the risk of electric leakage, providing a safer experience for patients.

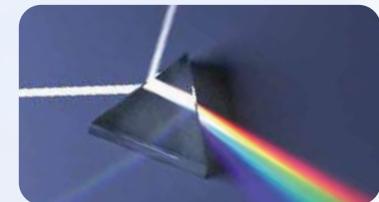
Artificial Intelligence



Unlock the potential of advanced intelligent operation flow and enjoy a seamless experience. Benefit from features like face recognition, voice control, and customizable settings to personalize your interactions.

4 CBI Modes on 5LED

By utilizing the five LED light sources, a total of four chromoendoscopy modes can be attained. These modes offer efficient, rapid, and precise solutions for clinical challenges in various scenarios.



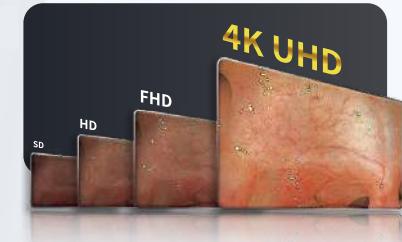
Dual Image Display



Utilize dual image display to showcase both white light and optical chromoendoscopy images on one screen, highlighting the differences between them and leveraging CBI technology.

4K Ultra High Definition

The endoscopic pixel performance is greatly enhanced with the use of 4K Ultra High Definition, which offers a resolution of up to 3840x2160 pixels on the display.

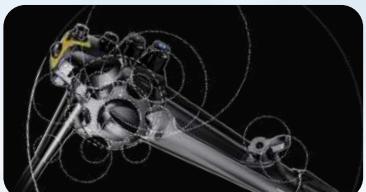


PLAMYRA STV-400

4k-UHD Video Endoscopes



5th Generation Handle Design



Introducing the newly launched 5th generation handle design that prioritizes lightweight construction and enhanced maneuverability. This design not only reduces hand fatigue but also improves overall usability.

Colo Smart Assistance (CSA)



Adjustable Stiffness/Sync Force Transmission /Elastic Bending



3 Light Guides

The endoscopic lens features three light guides, ensuring brighter and more uniform illumination, especially in far-field scenarios.



170° Wide Field of View



The entire colonoscopy series includes a wide field of view of 170°, providing a broader perspective.



Large Instrument Channel

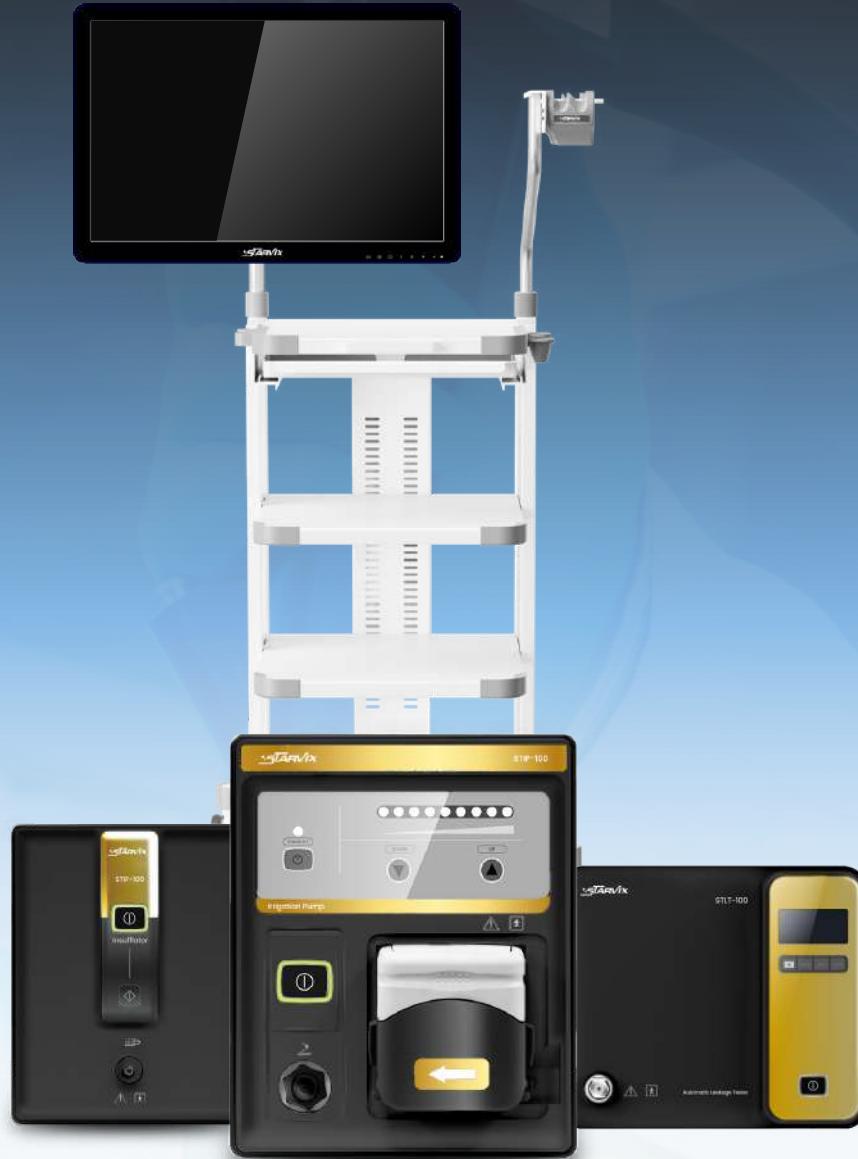
Choose from our range of endoscopes with large instrument channels: a 3.2mm channel for the gastroscope and a 4.2mm channel for the colonoscope.

Standard Forwarding Water-Jet



The entire series of gastrointestinal endoscopes includes a standard forwarding water-jet function, ensuring a clear view is maintained throughout the diagnostic and treatment process.

Endoscopic Peripheral Devices



STIF-100 Endoscopic CO₂ Insufflation

The intelligent air pressure control ensures secure flow, preventing high or low pressure issues and minimizing operational errors. With one-touch operation and user-friendly interface, it can be seamlessly integrated into the main body of the endoscopy system.

STIP-100 Endoscopic Irrigation

Easy to use, activate irrigation through foot switch or remote button. Ensures safety with automatic shut-off after 20 seconds or continuous water supply. Adjustable flow up to 500ml/min, with flow setting display and automatic setting memory.

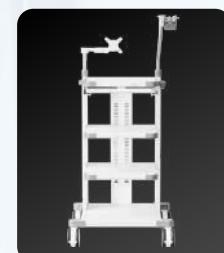


STLT-100 Automatic Leakage Tester

Latest cantilever design for easy loading and unloading, ensuring robustness, durability, and space-saving. Detect pinhole leaks early to significantly reduce the failure rate.

STM-400/500 Medical Monitor

Medical grade high brightness monitor in different sizes available, all with a variety of most commonly used interfaces.



STT-100 Medical Trolley

Stainless Steel, 330mm*880mm*1085mm
4 Layers & Keyboard Drawer
Four-wheeled caster with locking mode
Overall dimension 1000(H) x 656(W) x 601(D)

| | |
|--------------------------|--|
| Light Source | 5LED |
| Chromoendoscopy | CBI Regular/CBI Indigo/CBI Aqua /CBI Amber |
| Image Enhancement | Structure/Edge/Color |
| Brightness Adjustment | Automatic /Manual mode |
| Digital zooming function | 1/1.2/1.5/1.8/2 times |
| Freeze and playback | It can freeze a real-time image and play back the frozen image |
| IRIS | Peak/Average/Auto |
| USB Storage | High definition images and videos can be stored at any time, convenient to carry |
| Dual Image Display | Two images |

Video Gastrosopes

| Model | Working Length | Diameter of distal end | Diameter of insertion tube | Diameter of working channel | Depth of field | View of field | Range of bending | |
|-------------|----------------|------------------------|----------------------------|-----------------------------|----------------------------|---------------|---------------------|--|
| *VG-ST4001 | 1050mm | 9.2mm | 9.2mm | 2.8mm | 2-100mm | 145° | U210°D90°L100°R100° | |
| *VG-ST4002J | 1050mm | 9.8mm | 9.6mm | 2.8mm | zoom:1.5-3 normal:3-100 | 145° | U210°D90°L100°R100° | |

Video Colonoscopes

(*:Forwarding water-jet)

| Model | Working Length | Diameter of distal end | Diameter of insertion tube | Diameter of working channel | Depth of field | View of field | Range of bending | |
|--------------|----------------|------------------------|----------------------------|-----------------------------|----------------------------|---------------|----------------------|--|
| *VC-ST4001II | 1300mm | 12.2mm | 12.0mm | 3.7mm | 2-100mm | 170° | U180°D180°L160°R160° | |
| *VC-ST4003JI | 1650mm | 12.2mm | 12.0mm | 4.2mm | 2-100mm | 170° | U180°D180°L160°R160° | |
| *VC-ST4002L | 1650mm | 12.2mm | 12.0mm | 3.7mm | zoom:2-3.5 normal:3-100 | 170° | U180°D180°L160°R160° | |

Video Duodenoscope

(*:Forwarding water-jet)

| Model | Working Length | Diameter of distal end | Diameter of insertion tube | Diameter of working channel | Depth of field | View of field | Range of bending | |
|------------|----------------|------------------------|----------------------------|-----------------------------|----------------|---------------|--------------------|--|
| VD-ST4001V | 1250mm | 13.5mm | 11.2mm | 4.2mm | 4-60mm | 100° | U120°D90°L90°R110° | |

Image Processor: STV-400 Specifications

| | |
|---|--|
| Power Supply: | Voltage: 100-240V AC Frequency:50/60Hz |
| Size: | Dimension (W x H x D): 467*400*103mm Weight: 7.5kg |
| Medical Electrical Equipment Classification | Type of protection against electric shock:Class I |
| Output signals: | DVI*2, SDI*2, VIDEO*2, SYNC*1, Y/C*1 |
| (PIP): Input signal | VIDEO*1, Y/C*1 |
| White balance: | Automatic |
| Digital chromoendoscopy: | HbE (Hemoglobin Enhancement) |
| Dual image display: | White light and chromoendoscopy |
| Color enhancement: | Red/Blue |
| Storage: | USB (Image and video) |
| IRIS mode: | Average/Peak/Auto |
| User preference control: | RFID |
| Patient information | Patient data: the following data can be displayed on the monitor using the keyboard: Patient name, sex, age. |

Light Source: STL-400 Specifications

| | |
|-----------------------------|---|
| Power Supply | Voltage: 100- 240V AC |
| Frequency: | 50/60Hz |
| Consumption electric power: | 300VA |
| Size | Dimension (L x W x H): 505*400*170mm |
| Weight: | 20kg |
| Illumination | 5LED |
| Life indicator | 10,000H |
| Chromoendoscopy | CBI Regular/Indigo/Aqua/Amber |
| Cooling | Forced -air cooling |
| Air -feeding pump: | 4 levels available (off, low, medium, high) |



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