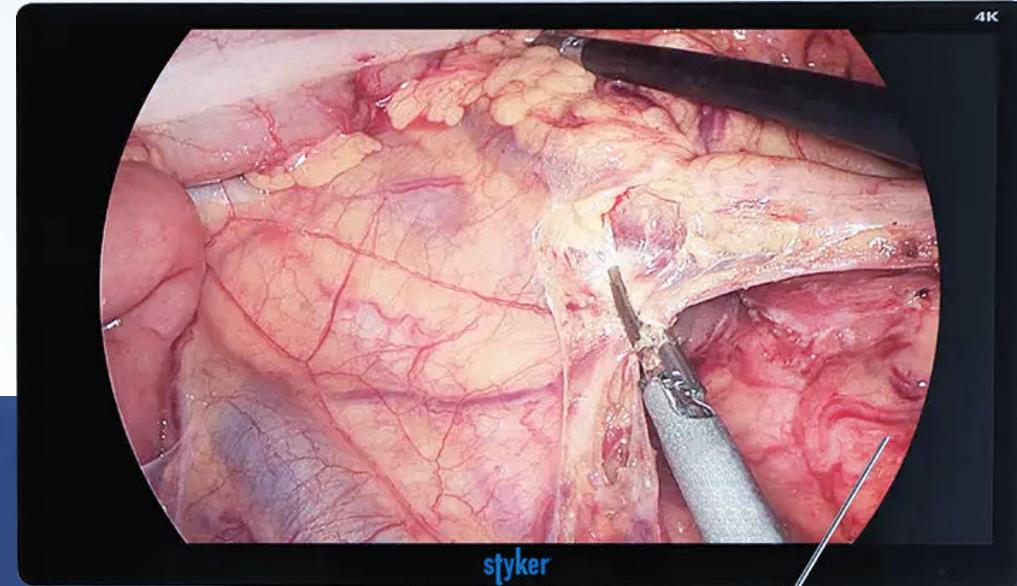


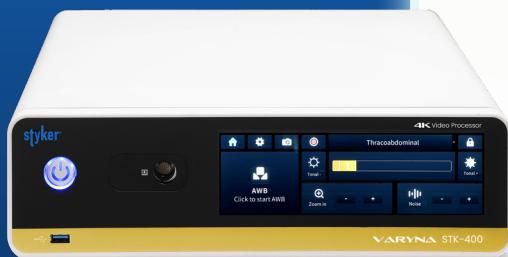
# styker®



**VARYNA** STK-400

4k UHD Rigid Endoscopy System

# 4K Endoscopy Camera Control Unit



## 4K Endoscope System STK-400

- 3840×2160P@60fps
- Low glare, anti-fatigue
- Up to 5x electronic magnification
- White balance automatic adjustment and memory
- Intelligent exposure
- 4K one-click recording

Special imaging mode	DCE, DAI, EM, HDR, HLS
Output	3G-SDI*4, DVI*1, HDMI*1
Video resolution	3840*2160P@60Hz, 30Hz
Touch screen size	≥7.84 inches
Storage	USB2.0*2, USB3.0*1
Storage resolution	3840*2160P@60Hz
Video coding protocol	H.264
Dimensions(L×W×H)	410mm*359mm*120mm (±10mm)
Weight	5.5kg (±15)



## 4K Native Camera STC-400

- Ultra High-definition
- The waterproof grade is up to IPX7
- Controlled by 4 buttons
- Multi-lens versatility
- One-click Focusing/Broad compatibility

Mode	Standard, Auto focus
Image magnification	5X electronic magnification
Video resolution	3840*2160
IP ratings	IPX7
Sterilization method	Low temperature plasma sterilization
Weight	500g (±15)
Button settings	4 buttons programmable, programmable functions: AWB, video, capture, freeze, zoom, manual focus +, manual focus -. Auto focus camera head includes one more auto focus function.



## Medical LED Light Source STS-400

- High color temperature, luminous flux, and color rendering in LED
- Low energy consumption and long lifespan
- Significant cost reduction for medical providers

Output port	10mm general interface of guide beam
Light source type	LED
Light source parameters	Luminous flux 1800lm, color temperature 6500K
Brightness control	10 adjustable brightness levels
LED chip life	≥60000h
Touch screen size	≥7.84 inches
Dimensions (L×W×H)	410mm*359mm*110mm (±10mm)
Weight	8kg (±15)

# 4K Endoscopy Peripheral Devices



## Medical Insufflator STIF-200/STIF-300

- 7 inches touch screen
- 1-50L/min Adjustment Rate and 50L/min Flow Rate
- 3-25 mmHg Pressure Range
- Smoke Evacuation Function and Automatic Heating (optional)



## Surgical Monitor STM-600/700/800

- Higher Color Depth & Wider Color Gamut
- Unique ACRe Technology
- Versatile Connectivity & Display Modes
- Medical Grade Hygiene-friendly

## Telescopes

- Working with the dual-combination endoscope using white fluorescent light, which offers a large depth of field ranging from 3mm to 200mm, fulfills the need for clear imaging at different observation distances during medical procedures.

Model:	STIF-200	STIF-300
Input voltage	100V-240V	
Input frequency	50/60Hz	
Input power	150VA	
Gas type	Medical CO2 gas (Purity 99.99%)	
Filter interface	Tapered connection, diameter Ø 15mm	
Pressure range	1mmHg~30mmHg	
Pressure mode	Mode: Small cavity (for Kid) Pressure:1-15mmHg Mode: Normal cavity (for Adult) Pressure:1-30mmHg	
Weight	≤11kg	
Size (L*W*H)	407mm*350mm*142mm	
Flow regulation range	0.1L/min--50L/min	0.1L/min--35L/min
Heating function	Yes	Yes
Smoke evacuation	Yes	No
USB foot switch	Yes	No
Other functions	Self-check when powered on Intake air filtration Over-pressure alarm	Over-pressure release Under-pressure supplement Pipeline blockage alarm

Sizes	27 "   32 "   55 "
Resolution	1920x1080   3840*2160P   3840x2160 (60Hz, 30Hz)
Port	12G-SDI,DVI   3G SDI*4,HDMI,12G-SDI   3G SDI*4,HDMI,12G-SDI,DVI
Viewing angle	horizontal 178°/vertical 178°

	Laparoscope	Hysteroscope
Diameter	10mm	inspection/operation scope - 2.9mm/4mm
Viewing angle	0°/30°/45°	0°/12°/30°
Working length	≥344mm	≥302mm
Depth of field	3-200mm	3-50mm
Field of vision	80°	70°
Optional	White light/Fluorescence	supporting surgical instruments

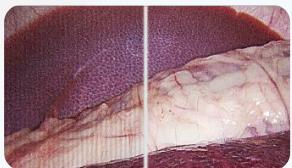
## Special Imaging Mode



DCE - Detail Enhancement



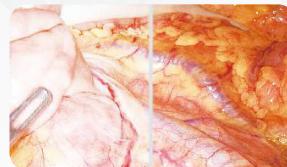
DAI - Dark Area Improvement



EM - Expelling Moiré



HDR - High Dynamic Range



HLS - Highlight Suppression



### Thoracic

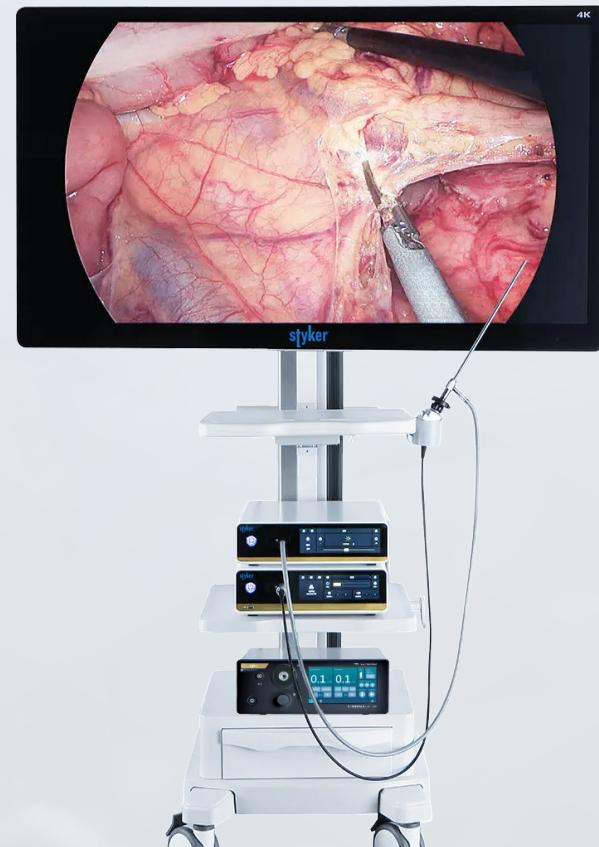
Lung segment identification, Nodule localization, Margin determination, and Lymph node tracing.



### Urology

Margin determination, Microlesion identification, Lymph node tracing.

## 4K Rigid Endoscopy System



### Hepatobiliary

Hepatic segment imaging, Microlesion identification, Lymph node tracing, Margin determination, and Biliary tract imaging.



### Gastrointestinal Surgery

Margin determination, Nodule exploration, Lymph node tracing. Anastomotic assessment.

## Complete Set of Imaging Chain

The Ultra HD endoscope combines image adjustments close to clinical requirements. This device excels in delivering exceptionally clear, high-contrast, sharp, and accurately color-restored clinical images.

- Outstanding clarity with no distortion, offering high resolution.
- Endures 500 times of high-temperature and autoclave sterilization.
- Equipped with an anti-fogging feature for clear vision.
- Incorporates a distinctive sealing design to enhance durability.
- Utilizes a sapphire-sealed window to boost resistance to wear.
- Compatible with camera heads from various brands.



### Auto Focus

Employing cutting-edge autofocus algorithm technology, organs and tissues' colors are truly restored without the need for repetitive focusing.



### Gynecology

Margin determination, Lymph node tracing, Nodule exploration

## Application Departments