

stryker®



**VARYNA** STK-200

2K Rigid Endoscopy System

# 2K Endoscopy Camera Control Unit

## FHD Endoscope System STK-200

- High Quality Color Restoration
- Optical Homogeneous Zoom
- Large Depth of Field
- One-click, Plug and Play
- Full Touch Screen Operating System
- USB Storage

|                       |                            |
|-----------------------|----------------------------|
| Special imaging mode  | DCE, DAI, HLS              |
| Output                | DVI*1, HDMI*1              |
| Video resolution      | 1920x1080@60Hz, 30Hz       |
| Touch screen size     | ≥7.84 inches               |
| Storage               | USB2.0*2, USB3.0*1         |
| Storage resolution    | 1920x1080                  |
| Video coding protocol | H.264                      |
| Dimensions(L×W×H)     | 410mm*359mm*120mm (±%10mm) |
| Weight                | 5.5kg (±%15)               |

## FHD Native Camera STC-200

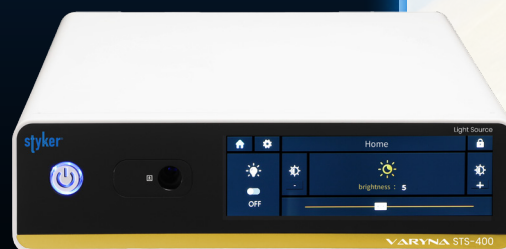
- Ergonomic camera head handle: Lightweight and comfortable
- One camera head serves a variety of fields
- Full lamination touch screen, quick parameter customization
- 1-click: Photo, video, & auto-storage for speed and convenience
- Camera head links to control unit & light source for centralized control

|                      |                                                                                                                    |
|----------------------|--------------------------------------------------------------------------------------------------------------------|
| Image magnification  | 5X electronic magnification                                                                                        |
| IP ratings           | IPX7                                                                                                               |
| Sterilization method | Low temperature plasma sterilization                                                                               |
| Button settings      | 4 buttons programmable, programmable functions: AWB, video, capture, freeze, zoom, manual focus +, manual focus -. |
| Weight               | 500g (±%15)                                                                                                        |

## 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)                                    |



# FHD Endoscopy Peripheral Devices



## Medical Insufflator STIF-200/STIF-300

- Dual Pressure Monitor, Dual Flow Control
- High Flow
- Smoke Evacuation & Heatable
- Effective Temperature Control

## Surgical Monitor STM-300/STM-400

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

## Telescopes

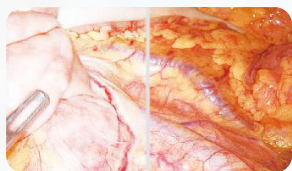
- Working with the dual-combination endoscope using white fluorescent light, which offers a large depth of field ranging from 3mm to 200mm, fulfills the need for clear imaging at different observation distances during medical procedures.

| Model:                | STIF-200                                                                                            | STIF-300                                                                      |
|-----------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Input voltage         | 100V~240V                                                                                           |                                                                               |
| Input frequency       | 50/60Hz                                                                                             |                                                                               |
| Input power           | 150VA                                                                                               |                                                                               |
| Gas type              | Medical CO <sub>2</sub> gas (Purity 99.99%)                                                         |                                                                               |
| Filter interface      | Tapered connection, diameter Φ 15mm                                                                 |                                                                               |
| Pressure range        | 1mmHg~30mmHg                                                                                        |                                                                               |
| Pressure mode         | Mode: Small cavity (for Kid) Pressure:1-15mmHg<br>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<br>Intake air filtration<br>Over-pressure alarm                          | Over-pressure release<br>Under-pressure supplement<br>Pipeline blockage alarm |

|               |                                                                 |
|---------------|-----------------------------------------------------------------|
| Sizes         | 27"   32"                                                       |
| Resolution    | 1920x1080 (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°                                   |

|                 | HD Laparoscope | HD Laparoscope |
|-----------------|----------------|----------------|
| Diameter        | 10mm           | 5mm            |
| Viewing angle   | 0°/30°/45°     | 0°/30°/45°     |
| Working length  | ≥344mm         | ≥344mm         |
| Depth of field  | 3-200mm        | 3-200mm        |
| Field of vision | 80°            | 80°            |

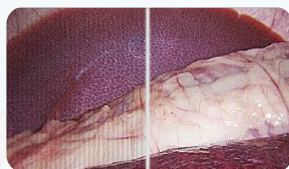
## Special Imaging Mode



HLS - Highlight Suppression



DAI - Dark Area Improvement



EM - Expelling Moiré

In addition to providing standard natural white images, we offer three different digital algorithms for presentation. These algorithms prove valuable in identifying tissues under specific conditions and facilitating precise observation of the fine structures of lesions and vascular changes.

## 2K Rigid Endoscopy System



## 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.

## High Quality Color Restoration

We use leading imaging technology which employs three separate CMOS, each one receiving filtered RGB color and forms 1920\*1080 pixels image output. This provides a wider color gamut and superior image quality, and to the greatest extent of human visible color range.



### Thoracic

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



### Hepatobiliary

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



### Gynecology

Margin determination, Lymph node tracing, Nodule exploration



### Urology

Margin determination, Microlesion identification, Lymph node tracing.



### Gastrointestinal Surgery

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

Application  
Departments