

## HD-500

### Video Endoscopy System

#### SONOSCAPE MEDICAL CORP.

SonoScape is committed to supplying healthcare-providers worldwide with innovative technology, reliable equipment and customer-oriented services.

SonoScape products include ultrasound, ECG, endoscope and other essential medical equipment. By introducing more advanced imaging techniques, SonoScape's products have improved diagnostic accuracy and therefore enabled better health outcomes.

With the world in mind, SonoScape will continue providing more effective and accessible healthcare solutions, through persistent innovation and a passion for life.

ISO 13485 CE 0197

**SonoScape**

Yizhe Building, Yuquan Road, Shenzhen, 518051, China

Tel: 86-755-26722890 Fax: 86-755-26722850

E-mail: [sonoscape@sonoscape.net](mailto:sonoscape@sonoscape.net) [www.sonoscape.com](http://www.sonoscape.com)

E-HD50020151022

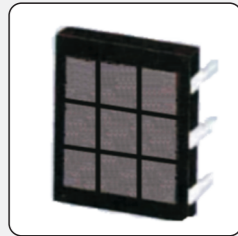


**HD**

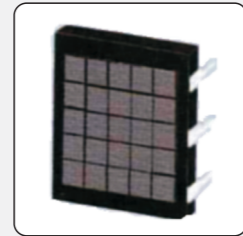
High Definition

## Superior High Definition Imaging

High definition image processing technology has been applied with over one megapixel image resolution, higher color sensitivity and better image clarity. Meaning the HD-500 system can provide excellent image quality with high color reproduction.



Standard Sensor



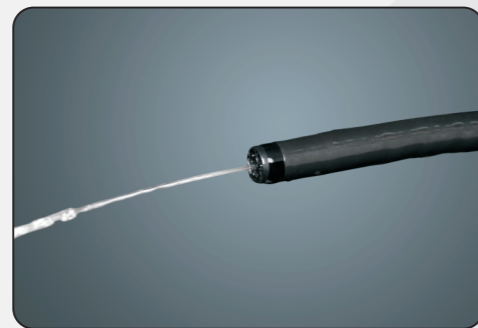
High Definition Sensor

## MSI (Multi-spectral Imaging)

MSI has significantly improved the endoscopic imaging quality by showing more details of gastric and rectal mucous structure and vascular distribution. It allows the doctor to distinguish the slight color differences of blood vessels and superficial tissue structure which is helpful for physicians and leads to a higher detection rate in early stage cancers. The smart design of fingertip control buttons on the endoscope makes it easy for a doctor to switch between MSI scanning or the normal scanning mode.

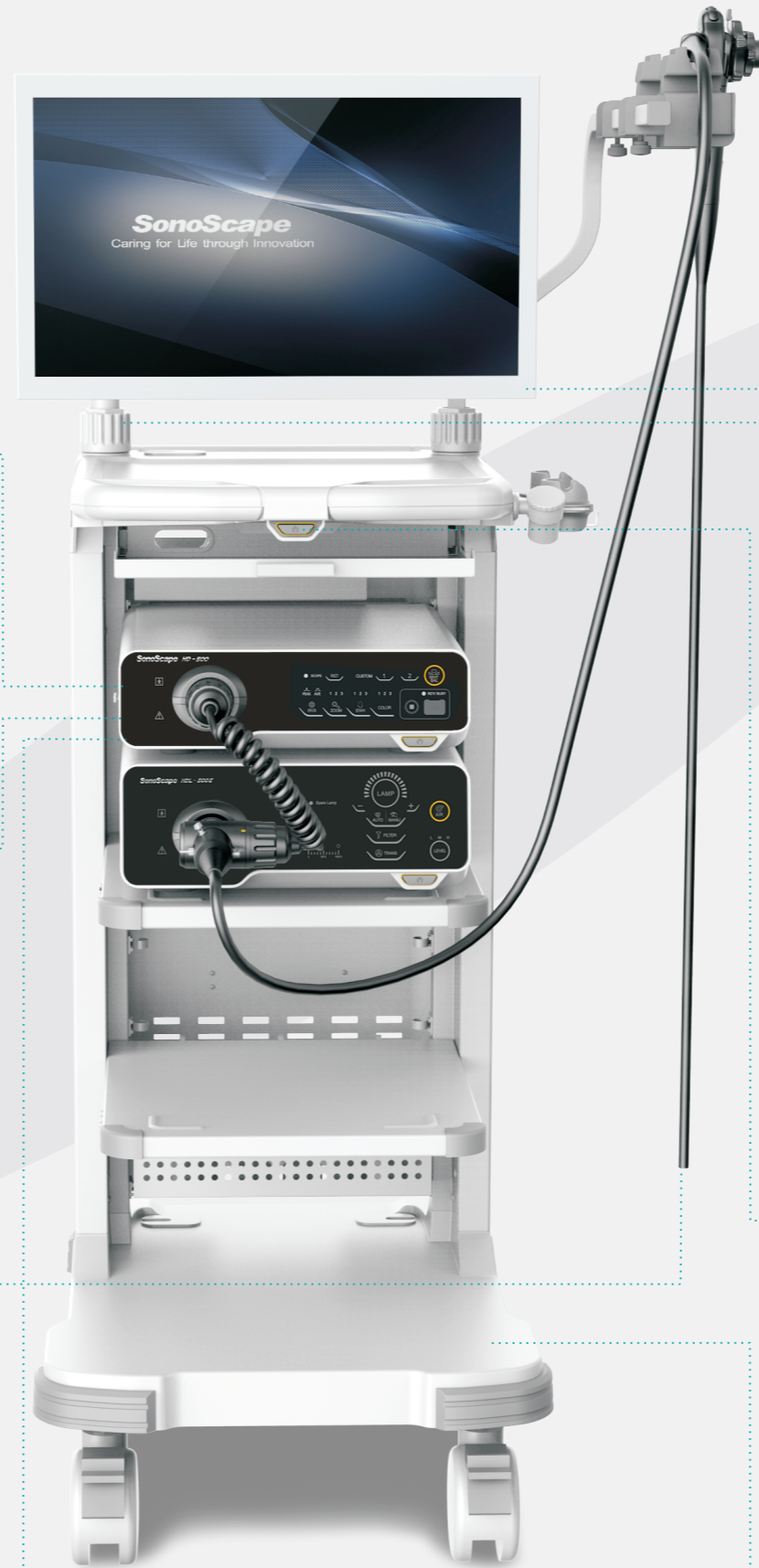
## Water jet function

Strong and efficient water pressure, capable of washing off the chyme and mucus on the surface, offers a clean visualization for both routine and therapeutic examinations.



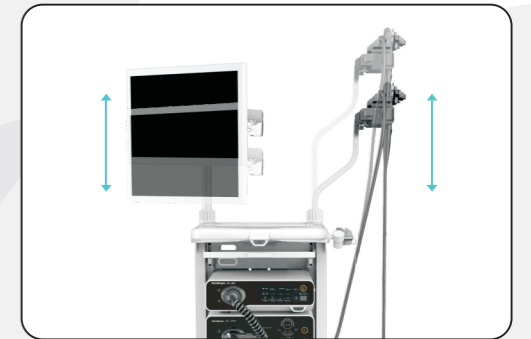
## Built-in Workstation---Smart Work Flow & Easy Operation

HD-500 has a unique new platform with an internal workstation. This user friendly workstation can help doctors easily edit reports, record videos and managing patient files.

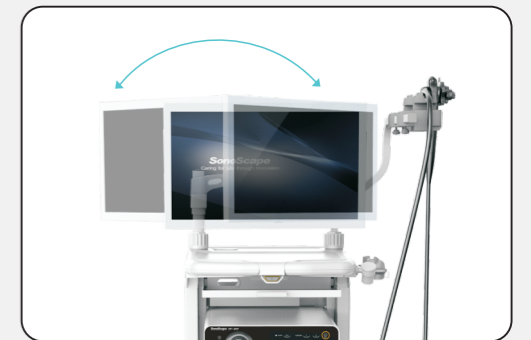


## Full Functionality Trolley

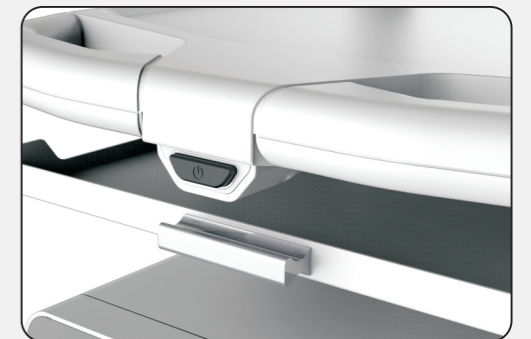
Fully height adjustable design to accommodate different clinical settings



24 inch LCD display with articulating arm for viewing from any angle



Main power button for easy activation of the whole system



Transformer guarantees stable power current





Equipped with a sophisticated built-in workstation and advanced image processing technology, the new HD-500 image processor provides excellent clarity and high definition imaging for endoscopic examinations. The HD-500 system is ideal for practitioners who require extraordinary performance in their daily endoscopic examinations and clinical research.

### • (CHb) Concentration Hemoglobin Imaging

By quantitatively measuring the mucosal hemoglobin volume, CHb is useful for endoscopists to differentiate vein patterns and diagnosing the intramucosal digestive carcinoma, diffuse-type carcinoma or the intestinal-type carcinoma.

### • Structure and Edge Enhancement

Structure enhancement can provide a better image for the doctor during observations by enhancing the outline of large mucosal while the edge enhancement improves the contrast resolution of smaller tissue structures.

### • Multi-buttons for Remote Control

Four buttons on the control section of the endoscope handle can be customized to preset functions making the operation easier and more convenient for gastroenterologists during a diagnostic exam.

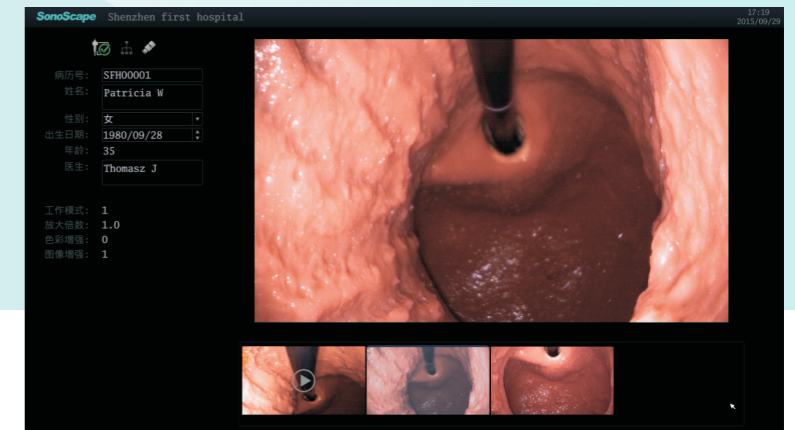
### • Smart short-cut buttons

Short-cut buttons on the keyboard, control panel and the endoscopes delivers a faster operation and makes the examination more efficient.



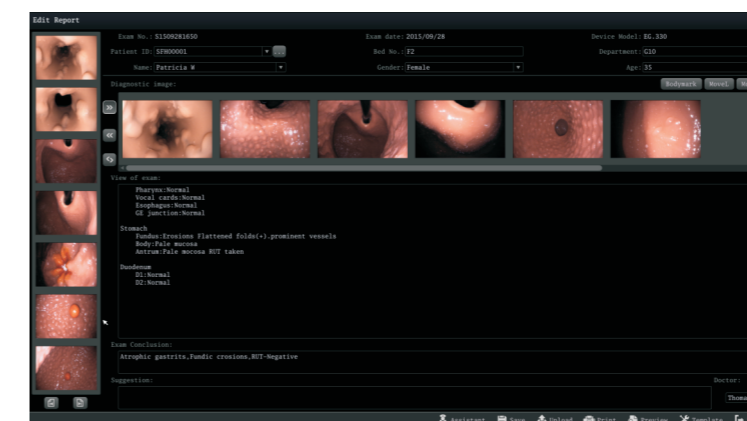
### • Flexible Image and Video Management Solutions

Still image capture, video recording and replay functions endows the HD-500 system with flexible image and video management solutions.



### • Large Storage Capacity

Installed with a 500GB hard drive, the HD-500 system is convenient for storing patient files and large video files.

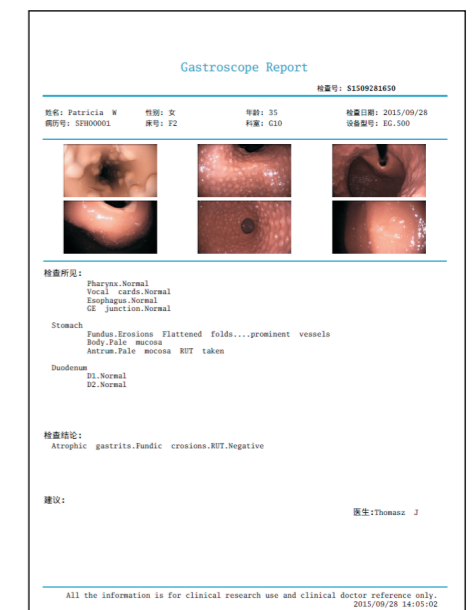


### • Flexible switching working mode

Keyboard operation allows access to the report editing mode or to the patient file management mode facilitating a smooth examination.

### • Intelligent Built-in Workstation

The intelligent internal workstation can help doctors easily edit reports, record videos and manage patient files.



## HDL-500E LED Light Source



By adapting the LED lamp with over 5,000K color temperature, the HDL-500E light source enables excellent illumination. Combined with auto/manual lightness adjustment, HDL-500E is the optimal light source for endoscopic examination and surgery.

Main Lamp	50W LED Lamp
Spare Lamp	14W LED Lamp;Auto switch
Average working hours	≥50,000 hours
Color Temperatur	5000K-7000K
CRI	≥90
Light control	Auto/Manual Lightness control
Air Pump	Off, Low, Mid, High
Transparency	On, Off
Voltage	100V~240V AC
Frequency	50Hz/60Hz

In order to meet all the requirements for a light source, the HD-500 system is compatible with the HDL-330 Xenon light source.

## HDL-330 Xenon Light Source

Main Lamp	300W Xenon Lamp
Spare Lamp	60W Halogen Lamp;Auto switch
Average working hours	≥500 hours
Color Temperature	5900K-7000K
CRI	≥90
Light control	Auto/Manual Lightness control
Air Pump	Off, Low, Mid, High
Transparency	On, Off
Optical Filter	On,Off
Voltage	100V~240V AC
Frequency	50Hz/60Hz

## 500 Series Endoscopes

### Video Gastroscope---Standard Type

#### EG-500

This endoscope is designed with a wide 140° field of view providing exceptional visualization of the mucosa. With the slim 9.3mm outer diameter and water jet function, it is an excellent endoscope for clinical practice in the upper G.I tract.



Model	EG-500
Field of View	140°
Working length	1050mm
Total length	1390mm
Distal end diameter	9.3mm
Insertion tube diameter	9.3mm
Instrument channel diameter	2.8mm
Observation range	3-100mm
Bending angles (Up/Down)	210°/90°
Bending angles(Left/Right)	100°/100°

### Video Colonoscope---Standard Type

#### EC-500/EC-500T

The two models of the standard type colonoscope support daily examination of the lower G.I. tract with a wide 140° field of view and a large 3.8mm instrument channel. The water jet function also effectively helps to wash off the chyme and provide a clear observation view.



Model	EC-500	EC-500T
Field of View	140°	
Working length	1350mm	1680mm
Total length	1650mm	1980mm
Distal end diameter	12mm	
Insertion tube diameter	12.5mm	
Instrument channel diameter	3.8mm	
Observation range	3-100mm	
Bending angles (Up/Down)	180°/180°	
Bending angles(Left/Right)	160°/160°	

### Video Gastroscope---Therapeutic Type

#### EG-500L

With a 3.2mm instrument channel, EG-500L also has a slim outer diameter of 9.8mm and a water jet function. It is suited for higher therapeutic treatment in the upper G.I. tract.

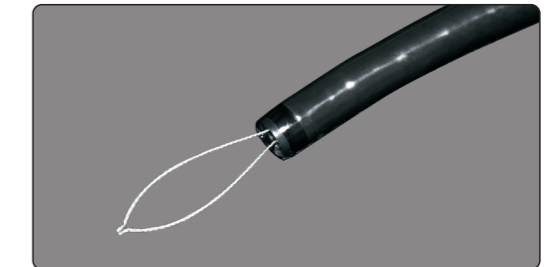


Model	EG-500L
Field of View	140°
Working length	1050mm
Total length	1390mm
Distal end diameter	9.8mm
Insertion tube diameter	9.8mm
Instrument channel diameter	3.2mm
Observation range	3-100mm
Bending angles (Up/Down)	210°/90°
Bending angles(Left/Right)	100°/100°

### Video Colonoscope---Therapeutic Type

#### EC-500L/EC-500L/T

These endoscopes have multiple attributes such as a wide 140° field of view, a large 4.2mm instrument channel and a water jet function. They are highly recommended for surgical treatment in the lower G.I. tract



Model	EC-500L	EC-500L/T
Field of View	140°	
Working length	1350mm	1700mm
Total length	1700mm	1950mm
Distal end diameter	12.9mm	
Insertion tube diameter	12.9mm	
Instrument channel diameter	4.2mm	
Observation range	3-100mm	
Bending angles (Up/Down)	180°/180°	
Bending angles(Left/Right)	160°/160°	