

## High Resolution Video Endoscopy System HD-330

### 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

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E-HD33020150513



# High Resolution Video Endoscopy System



## HD-330 Video Endoscopy System

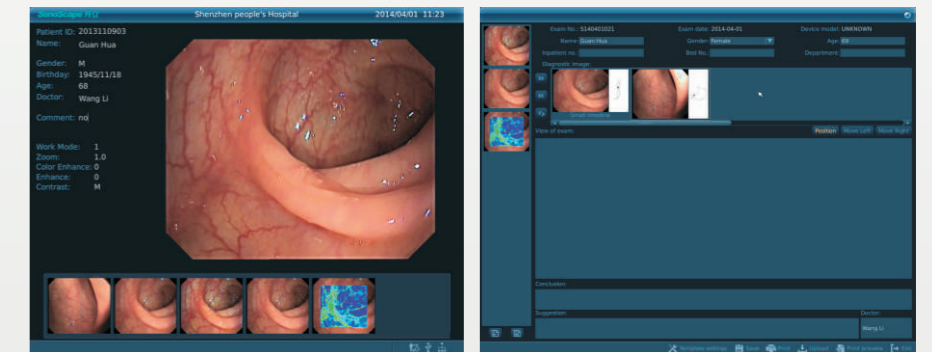
SonoScape HD-330 Digital Endoscopy System is an innovative product with a built-in workstation that enables easy and simple data management. Powered by SonoScape's state-of-the-art image processing technologies, HD-330 delivers sharp, clear images in high definition without losing subtle mucosal details for endoscopic diagnosis. The highly advanced Xenon light source HDL-330 and ergonomically engineered endoscopes EC-330, EG-330, and EB-330 enable the most obscure changes to be viewed, providing physicians an extraordinary experience.



## Intelligent Built-in Workstation

### Excellent Patient Information Management:

The patient information can be created, edited, saved, searched, printed, marked by body marks, viewed in the form of a report, backed up and exported.



### Powerful Digital Image Management:

The image can be acquired, archived, transmitted, displayed, and searched with DICOM standard.



# HD-330 Image Processor

Combined with a smart built-in workstation, the HD-330 processor delivers high image quality with excellent illumination. The multiple video output ports of the HD-330 processor transmit image without any expense to image quality. Moreover, the HD-330 processor can be configured with a wide range of imaging technologies.

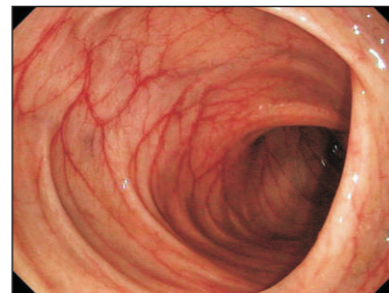


## Main Features

- Excellent image processing provides the best possible image quality.
- Powerful and simple operation.
- Cost-efficient and better illumination from Xenon Light-source.
- Multiple magnification levels for instant enlargement.
- 4 Customizable buttons provide outstanding maneuverability.
- Built-in workstation offers easy access and intelligent information management.
- A range of video outputs for the high resolution monitor.

## Specification

Auto white Balance	With White Balance Hat
Automatic gain control (AGC)	On / Off
Color tone adjustment	Red: -8 to +8; Blue: -8 to +8
Color Saturation	-9 to +9
Edge enhancement	Model 1,2 and 3; Level 0-8
Contrast enhancement	Low, medium or high
CHb enhancement	0 - 8
Automatic brightness control	Auto: -9 to +9; Peak: -9 to +9; Average: -9 to +9
Magnification	×1.4, ×1.6, ×1.8
Image freeze/storage	Supported by the button on the endoscope, keyboard or footswitch
Display mode	Full screen and dual display
Voltage	100~240 V AC
Frequency	50/60 Hz



# HDL-330 Xenon Light Source

The HDL-330 Xenon Cold Light Source is an ideal light source for endoscopic systems, providing the most natural color and excellent illumination. It employs state-of-art lighting technology which remarkably emits and transmits the appropriate light to the object for endoscopes.



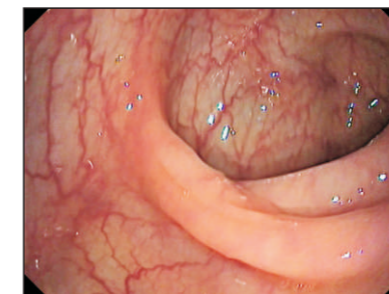
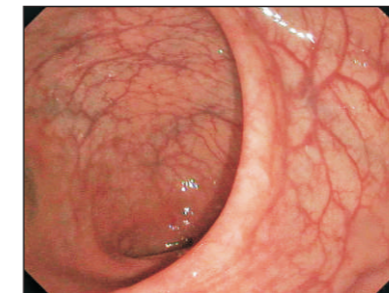
# HDL-330E LED Light Source

The exceptional performance of the LED lamp makes it an ideal light source for endoscopy. Its outstanding color performance with a long, continuous working life, and great, efficient illumination should become your ideal partner.



## Specification

Illumination	Examination lamp	Xenon lamp; 300W	LED lamp; 50W
	CCT	5,900K±10%	5,700K±10%
	CRI	>90%	>90%
	Output light flux	1,800 lumen	700 lumen
	Filter	Optical Filter	
	Trans	7s maximum illumination	
	Average lamp life (continuous)	500 hours	50,000
	Brightness adjustment	19 levels	
	Emergency lamp	Halogen lamp	
	Air Feeding	Pump	Diaphragm type pump
Pressure Switching		4 level available(OFF,L,M and S)	
Water Feeding	Method	Feeds water by pressurizing the detachable water container with air	
Power Supply	Voltage	100-240V AC	
	Frequency	50/60 Hz	



## EG-330 Video Gastroscope

- Exceptional image quality.
- Optimum illumination for lighting.
- Slimmer and lighter control body with ergonomic design.
- A wide field of view.
- Larger bending angulation with better maneuverability.



### Specification

Product	Distal end diameter ø (mm)	Forceps channel diameter ø (mm)	Working length (mm)	Total length (mm)	Field of view (°)	Observation range (mm)	Bending angle up/down (°)	Bending angle left/right (°)
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#### Gastroscope For the Upper G.I. Tract

EG-330	9.3	2.8	1050	1350	140	3~100	210/90	100/100
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#### Colonoscope For the Lower G.I. Tract

EC-330	12.9	3.8	1350	1650	140	3~100	180/180	160/160
EC-330T	12.9	3.8	1600	1900	140	3~100	180/180	160/160
EC-330L/T	12.9	4.2	1600	1900	140	3~100	180/180	160/160

#### Bronchoscope For the Airway Tract

EB-330	5.3	2.0	600	870	120	3~100	180/130	—
EB-330L	6.1	2.8	600	870	120	3~100	180/130	—



## EC-330 Video Colonoscope

- High resolution and clearer image quality.
- Extra-wide 140° field of view with better bending angle.
- A slimmer outer diameter with different size of instrument channels allows for easy insertion.
- The ergonomically designed control body greatly increases operability.



## EB-330 Video Bronchoscope

- Offers completely new insight for diagnostic and therapeutic purposes in respiratory tract.
- Different modes for various diagnostic or therapeutic requirements.
- High image quality with electronic magnification function creates a more accurate diagnosis.
- Compatible with the outstanding HD-330 endoscopic system.

