HD-500 VIDEO PROCESSOR

HD video outputs	DVI, SDI ,VGA
Standard video outputs	S-Video , CVBS
HD video recording	Built-in workstation , timely record and review
Zoom / PBP	Yes / Yes
Dimension (L x W x H / weight)	455mm x 370mm x 124mm / 9.5 kg

HDL-500X LIGHT SOURCE

Main lamp	300W xenon
VIST virtual chromoendoscopy	Variable Intelligent Staining Technology
Transparency function	7 seconds maximum brightness flicker
Lifetime indicator	Yes
Hot plugging	Endoscope switch without powering off
Dimension (L x W x H / weight)	460mm x 370mm x 154mm / 15 kg

500 SERIES ENDOSCOPES

Parameter	Gastroscope		Colonoscope			
	EG-500	EG-500L	EC-500	EC-500T	EC-500L	EC-500L/T
Depth of view (mm)	3-100		3-100			
Field of view	140°		140°			
Distal end diameter (mm)	9.3	9.8	12	12	12.9	12.9
Bending section diameter(mm)	9.3	9.8	12.5	12.5	12.9	12.9
Instrument channel diameter (mm)	2.8	3.2	3.8		4.2	
Angulations	UP 210°/DOWN 90° LEFT 100°/RIGHT 100°		UP 180°/DOWN 180° LEFT 160°/RIGHT 160°			
Working length (mm)	1050		1350	1700	1350	1700
Total length (mm)	1350		1700	1950	1700	1950

E-HD500020170530

HYPERION

HD-500

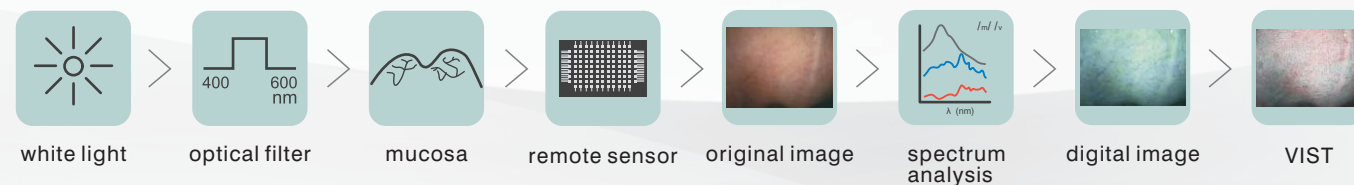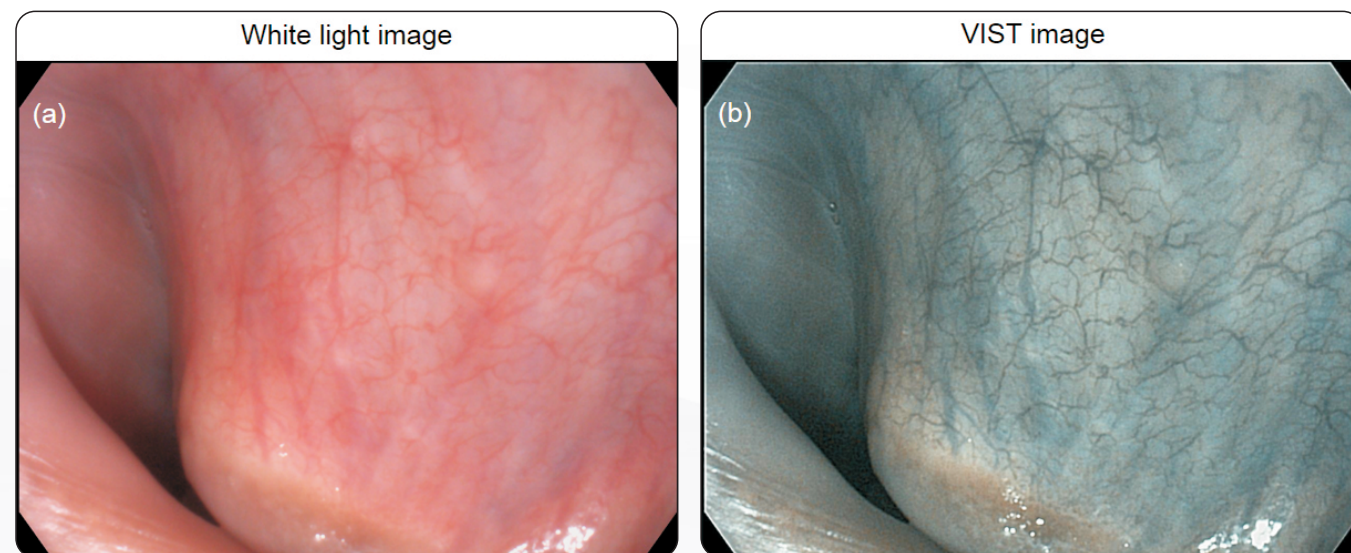*High Definition Video Endoscopy System*

Time to have a one stop, cost effective solution.

VIST (Variable Intelligent Staining Technology)

VIST is a chromoendoscopy technology combined with optical and digital image processing, providing a clear and bright image contrast. Mucosa and blood vessels can be greatly enhanced by VIST technology in the gastric and colon.

White light image	VIST image
(a)	(b)

white light > optical filter (400 600 nm) > mucosa > remote sensor > original image > spectrum analysis > digital image > VIST

Unique features

Light weight handle

Water jet

Gradual stiffness design

◀ **Brilliant workflow** 500GB

Equipped with a 500GB hard disk, the HD-500 allows you to store and archive your endoscopy images and data in one step, and to transfer it through DICOM easily.

Ideal built-in workstation ▶

The intelligent built-in workstation can access patient data management, report editing, image capture and HD video recording for an easier operation.
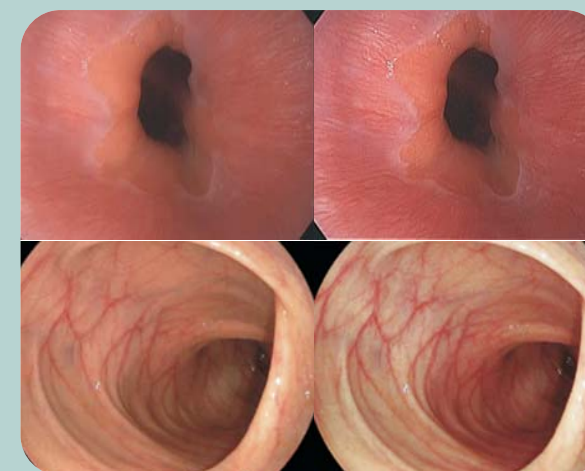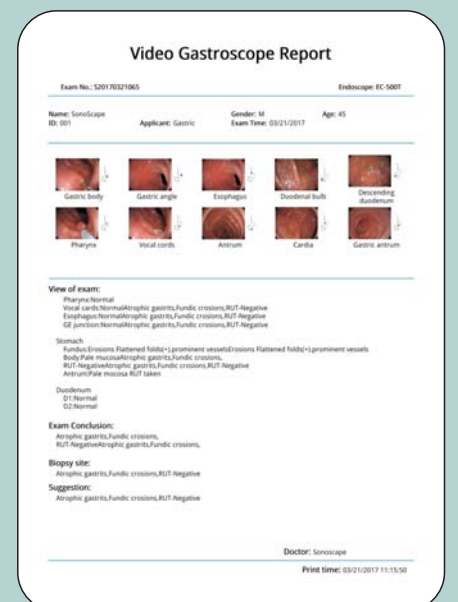
◀ **Versatile image processing**

Multistage enhancement in color, edge and structure modes can display ideal GI image through internal processing, providing you with a sharper image than ever before.

SonoScape

High Definition Video Bronchoscope

High Definition

Ergonomic Design

Smart Workflow

HD-500 VIDEO PROCESSOR

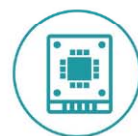|	
HD video outputs	DVI, SDI ,VGA
Standard video outputs	S-Video , CVBS
HD video recording	Built-in workstation , timely record and review
Zoom / PBP	Yes / Yes
Dimension (L x W x H / weight)	455mm x 370mm x 124mm / 9.5 kg

HDL-500X LIGHT SOURCE

Main lamp	300W xenon
VIST virtual chromoendoscopy	Variable Intelligent Staining Technology
Transparency function	7 seconds maximum brightness flicker
Lifetime indicator	Yes
Hot plugging	Endoscope switch without powering off
Dimension (L x W x H / weight)	460mm x 370mm x 154mm / 15 kg

EB-500 BRONCHOSCOPE

Depth of view (mm)	3-100
Field of view	120
Distal end diameter (mm)	5.3
Bending section diameter (mm)	5.7
Instrument channel diameter (mm)	2
Angulations	UP 180°/DOWN 130°
Working length (mm)	600
Total length (mm)	870

SonoScape

High Definition Video Rhinolaryscope

High Definition **Ergonomic Design** **Smart Workflow**

HD-500 VIDEO PROCESSOR

HD video outputs	DVI, SDI ,VGA
Standard video outputs	S-Video , CVBS
HD video recording	Built-in workstation , timely record and review
Zoom / PBP	Yes / Yes
Dimension (L x W x H / weight)	455mm x 370mm x 124mm / 9.5 kg

HDL-500X LIGHT SOURCE

Main lamp	300W xenon
VIST virtual chromoendoscopy	Variable Intelligent Staining Technology
Transparency function	7 seconds maximum brightness flicker
Lifetime indicator	Yes
Hot plugging	Endoscope switch without powering off
Dimension (L x W x H / weight)	460mm x 370mm x 154mm / 15 kg

ENL-500 RHINOLARYSCOPE

Depth of view (mm)	3-50
Field of view	120
Distal end diameter (mm)	5.3
Bending section diameter (mm)	5.7
Instrument channel diameter (mm)	2
Angulations	UP 130°/DOWN 130°
Working length (mm)	350
Total length (mm)	570

REGISTRUL DE STAT AL DISPOZITIVELOR MEDICALE

AGENȚIA MEDICAMENTULUI ȘI DISPOZITIVELOR MEDICALE

Tip	Denumire
I.2. Declarația de conformitate CE	Declaratie de conformitate CE
I.3. Certificatul CE	Certificat CE

Введите текст для поиска...

Nr	Denumire	Den.comerc.	Model	Nr. catalog	Tara	Producatorul	Reprezentant	Ordin
		sonoscape			china		ericon	
DM000266479	VIDEOGASTROSCOP	SONOSCAPE	EG-430	EG-430	China	SONOSCAPE MEDICAL CORP.	ERICON S.R.L.	Rg04-000008
DM000266475	SURSĂ DE LUMINĂ	SONOSCAPE	HDL-500	HDL-500	China	SONOSCAPE MEDICAL CORP.	ERICON S.R.L.	Rg04-000008
DM000266471	VIDEOPROCESOR	SONOSCAPE	HD-500	HD-500	China	SONOSCAPE MEDICAL CORP.	ERICON S.R.L.	Rg04-000008
DM000266463	VIDEOGASTROSCOP	SONOSCAPE	EG-500	EG-500	China	SONOSCAPE MEDICAL CORP.	ERICON S.R.L.	Rg04-000008
DM000266468	VIDEOCOLONOSCOP	SONOSCAPE	EC-500L/T	EC-500L/T	China	SONOSCAPE MEDICAL CORP.	ERICON S.R.L.	Rg04-000008
DM000266482	VIDEOCOLONOSCOP	SONOSCAPE	EC-430T	EC-430T	China	SONOSCAPE MEDICAL CORP.	ERICON S.R.L.	Rg04-000008
DM000266478	SURSĂ DE LUMINĂ	SONOSCAPE	HDL-500X	HDL-500X	China	SONOSCAPE MEDICAL CORP.	ERICON S.R.L.	Rg04-000008
DM000266465	VIDEOCOLONOSCOP	SONOSCAPE	EC-500	EC-500	China	SONOSCAPE MEDICAL CORP.	ERICON S.R.L.	Rg04-000008
DM000266476	SURSĂ DE LUMINĂ	SONOSCAPE	HDL-550E	HDL-550E	China	SONOSCAPE MEDICAL CORP.	ERICON S.R.L.	Rg04-000008
DM000266480	VIDEOGASTROSCOP	SONOSCAPE	EG-430L	EG-430L	China	SONOSCAPE MEDICAL CORP.	ERICON S.R.L.	Rg04-000008

Страница 1 из 3 (Всего элементов: 26)   1 2 3

✓ 🔍 Содержит([Reprezentant], 'ericon') И Содержит([Tara], 'china') И Содержит([NameMake],...

REGISTRUL DE STAT AL DISPOZITIVELOR MEDICALE

AGENȚIA MEDICAMENTULUI
ȘI DISPOZITIVELOR MEDICALE

Tip	Denumire
I.2. Declarația de conformitate CE	Declaratie de conformitate CE
I.3. Certificatul CE	Certificat CE

Введите текст для поиска…

Nr	Denumire	Den.comerc.	Model	Nr. catalog	Tara	Producatorul	Reprezentant	Ordin
		sonoscape			china		ericon	
DM000266488	SURSĂ DE LUMINĂ	SONOSCAPE	HDL-35E	HDL-35E	China	SONOSCAPE MEDICAL CORP.	ERICON S.R.L.	Rg04-000008
DM000266484	VIDEOCOLONOSCOP	SONOSCAPE	EC-430L/T	EC-430L/T	China	SONOSCAPE MEDICAL CORP.	ERICON S.R.L.	Rg04-000008
DM000266486	VIDEOPROCESOR	SONOSCAPE	HD-350S	HD-350S	China	SONOSCAPE MEDICAL CORP.	ERICON S.R.L.	Rg04-000008
DM000266467	VIDEOCOLONOSCOP	SONOSCAPE	EC-500L	EC-500L	China	SONOSCAPE MEDICAL CORP.	ERICON S.R.L.	Rg04-000008
DM000266466	VIDEOCOLONOSCOP	SONOSCAPE	EC-500T	EC-500T	China	SONOSCAPE MEDICAL CORP.	ERICON S.R.L.	Rg04-000008
DM000266473	VIDEOPROCESOR	SONOSCAPE	HD-330plus	HD-330plus	China	SONOSCAPE MEDICAL CORP.	ERICON S.R.L.	Rg04-000008
DM000266472	VIDEOPROCESOR	SONOSCAPE	HD-500S	HD-500S	China	SONOSCAPE MEDICAL CORP.	ERICON S.R.L.	Rg04-000008
DM000266474	SURSĂ DE LUMINĂ	SONOSCAPE	HDL-550L	HDL-550L	China	SONOSCAPE MEDICAL CORP.	ERICON S.R.L.	Rg04-000008
DM000266469	VIDEOBRONHOSCOP	SONOSCAPE	EB-500	EB-500	China	SONOSCAPE MEDICAL CORP.	ERICON S.R.L.	Rg04-000008
DM000266487	VIDEOPROCESOR	SONOSCAPE	HD-320plus	HD-320plus	China	SONOSCAPE MEDICAL CORP.	ERICON S.R.L.	Rg04-000008

Страница 2 из 3 (Всего элементов: 26)   ‹ 1 2 3 ›

✓ Содержит([Reprezentant], 'ericon') И Содержит([Tara], 'china') И Содержит([NameMake],…

REV	ECN	Revision History	Date	Editor
A01	D00029319	First Release	2016-07-14	Shu Rong

Title	**HD-500 Image Processor Technical Specifications**

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HD-500 Image Processor Technical Specifications

SonoScape Medical Corp.

1. Overview

HD-500 Image Processor adopts the state-of-the-art technology to provide high-quality endoscopic image.

The built-in workstation of the image processor is used to edit, manage and store medical records and print reports. It can well communicate with the network information system of a hospital.

System maintenance and upgrade can be completed by updating software to achieve pr d technology.

The image processor complies with the international standards and regulations.

2. Advanced Technologies

- High-definition video
- Image denoise and enhancement
- CHb enhancement
- Automatic   of brightness
- Hot plugging of endoscope
- Capacitor touch control
- Intelligent medical record management

- Endoscope identification
- VIST

3. Ports

- Endoscope signal input port
- Video output port:
  - ➢ DVI port (1)
  - ➢ SDI port (1)
  - ➢ VGA port (1)
  - ➢ S-Video port (1)
  - ➢ CVBS port (1)
- Video print control port
- Footswitch port
- Gigabit Ethernet network port (IEEE 802.3)
- USB ports (4)
- RS232 ports (2)
- Light source communication port
- Grounding   l
- Power supply port

4. Specifications

- Resolution $\geq 1280 \times 960$
- Hot plugging of endoscope

- White balance memory

- Automatic white balance

- Structure enhancement: Mode 1 to 3

  Each mode includes 0 to 8 levels. Structure

  enhancement includes structure A

  enhancement and structure B enhancement.

- Edge enhancement: Mode 1 to 3

  Each mode includes 0 to 8 levels

- Color tone adjustment

  Red: -8 to +8; Blue: -8 to +8

  Chroma: -8 to +8

- CHb color enhancement: 0 to 8 levels

- IRIS

  Auto: -9 to +9

  Peak: -9 to +9

  Average: -9 to +9

- Zoom: ×1.4, ×1.6, ×1.8

- Image freeze/storage:

  Methods: the remote button, keyboard or

  footswitch

- Display mode: standard/full screen

- CHb color display: On/Off

- Local video recording and playing

- Built-in workstation:

  Medical record management: Medical

  records can be created, edited, saved,

  searched, printed, marked with bodymark,

  viewed in the form of report, backed up and

  exported.

  Digital image management:

  The image can be acquired, archived,

  transmitted, displayed, searched and is

  compatible with DICOM standard.

- Storage capacity: 500GB (standard

  configuration)

- Support system version update

- Output mode:

  SD: PAL, NTSC

  HD: Full-HD, WUXGA

5. Applications

The image processor can be used with the

endoscope manufactured by SonoScape. It is

used to process endoscopic image in clinical

diagnosis and supply power to the endoscope.

6. Size & Weight

- Dimensions: 455mm (L) ×370mm (W) × 124mm (H)

- Weight: about 9.5kg

7. Monitor (Optional)

- LCD monitor: 27-inch IPS display

- Hi definition, wide view angle

- Video input port: S-Video (1), CVBS (1), VGA (1), DVI (1), SDI (1)

- Video output port: DVI (1), SDI (1)

8. Peripherals

- HDL-500X/HDL-500E Light Source

- 500 Series Endoscopes

- Medical trolley

- Suction Machine 0---- 1.5 bar

9. Safety Standards

This image processor complies with the following standards:

- IEC 60601-1:2005

- IEC 60601-2-18:2009

- IEC 60601-1-2:2007

10. Environment Requirements

- Operation Environments

  - Temperature: 0℃ to +40℃

  - Relative humidity: 15% to 90% (non-condensing)

  - Atmospheric pressure: 700 hPa to 1060 hPa

- Storage Environments

  - Temperature: -5℃ to +50℃

  - Relative humidity: 15% to 90% (non-condensing)

  - Atmospheric pressure: 700 hPa to 1060 hPa

- Transportation Environments

  - Temperature: -20℃ to +55℃

  - Relative humidity: 15% to 90% (non-condensing)

  - Atmospheric pressure: 700 hPa to 1060 hPa

- Safety Types

  - Type of protection against electric shock: Class I equipment

  - Degree of protection against electric

shock: Type BF applied part

- Power Supply Requirements

  - Input voltage: AC 100V~240V,

    50/60Hz

  - Input power: 160VA

NOTE:

- The specifications of this product may change without any prior notification.

- Some products or features may not be available in some countries.

- Please contact your local SonoScape sales representative for more information.

Service Information:

Address: 4/F, 5/F, 8/F, 9/F & 10/F, Yizhe Building, Yuquan Road, Nanshan, Shenzhen, 518051, Guangdong, China

Tel: 86-755-26722890

Fax: 86-755-26722850

Email: Service@sonoscape.net

Http:www.sonoscape.com

REV	ECN	Revision History	Date	Editor
A01	D00029319	First Release	2016-07-14	Shu Rong

Title	**HDL-500X Light Source Technical Specifications**

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SONOSCAPE MEDICAL CORP.	Document Number 901-03571		Distribution Number
	Version	Effective Date	Page
	A01		Page 1 of 5

HDL-500X Light Source Technical Specifications

SonoScape Medical Corp.

1. Overview

HDL-500X adopts xenon lamp as the main lamp. The color temperature of xenon lamp approaches to that of the sunlight. In addition, it features high color rendering index. Therefore, xenon lamp is widely applied on medical endoscope light source.

2. Advanced Technologies

- Aspheric optical technology
- Capacitor touch screen
- Automatic brightness adjustment
- Filtration function

3. Functions

- 300W xenon lamp
- Filtration
- Instantaneous strong light transmission
- When the endoscope is not connected to the device, light output of the device is shielded by the endoscope port to prevent light pollution.
- Auto brightness adjustment
- Manual brightness adjustment
- Auto switch to spare lamp

- Air blast cooling
- Overheat protection
- Main lamp working time indication
- Main lamp replacement

4. Specifications

- Air feeding: 4 levels (OFF, L, M, and H)
- Brightness adjustment: 19 levels
- Output light flux of main lamp ≥ 550 lumen
- CCT of main lamp: 5000K~7000K
- Color rendering index of main lamp ≥ 90
- Applicable optical fiber NA: 0.55
- Light output spot diameter: 5mm
- Average lifetime of main lamp: 500 hours (continuous operation)
- Spare lamp: halogen lamp, 12V, 5A
- Water tank: 250mm, autoclavable

5. Controls

- Endoscope port
- Air pump connector
- Equipotential terminal

6. Compatible Equipment

- Image processor: HD-500

- Video gastroscope: EG-500 and EG-500L

- Video colonoscope: EC-500, EC-500T, EC-500L, and EC-500L/T

- Medical trolley

7. Size & Weight

- 460mm×370mm×154mm (L×W×H)

- About 15kg

8. Safety Standards

- IEC 60601-1: 1988+A1: 1991+A2: 1995

- IEC60601-2-18: 1996+A1: 2000

- IEC 60601-1-2: 2007

9. Environment Requirements

- **Operating Environments**

  - Temperature: 0°C to +40°C

  - Relative humidity: 15% to 90% (non-condensing)

  - Atmospheric pressure: 700 to 1060hPa

- **Storage Environments**

  - Temperature: -5°C to +50°C

  - Relative humidity: 15% to 90% (non-condensing)

  - Atmospheric pressure: 700 to 1060hPa

- **Transportation Environments**

  - Temperature: -20°C to +55°C

  - Relative humidity: 15% to 90% (non-condensing)

  - Atmospheric pressure: 700 to 1060hPa

- **Power Supply**

  - Rated voltage: 100~240V AC

  - Frequency: 50/60Hz

  - Power consumption: 500VA

Note:

- The specifications of this product may change without any prior notification.

- Some products or features may not be available in some countries.

- For further information, please contact your local SonoScape sales representative.

Service Information:

Address: 4/F, 5/F, 8/F, 9/F & 10/F, Yizhe Building, Yuquan Road, Nanshan, Shenzhen,
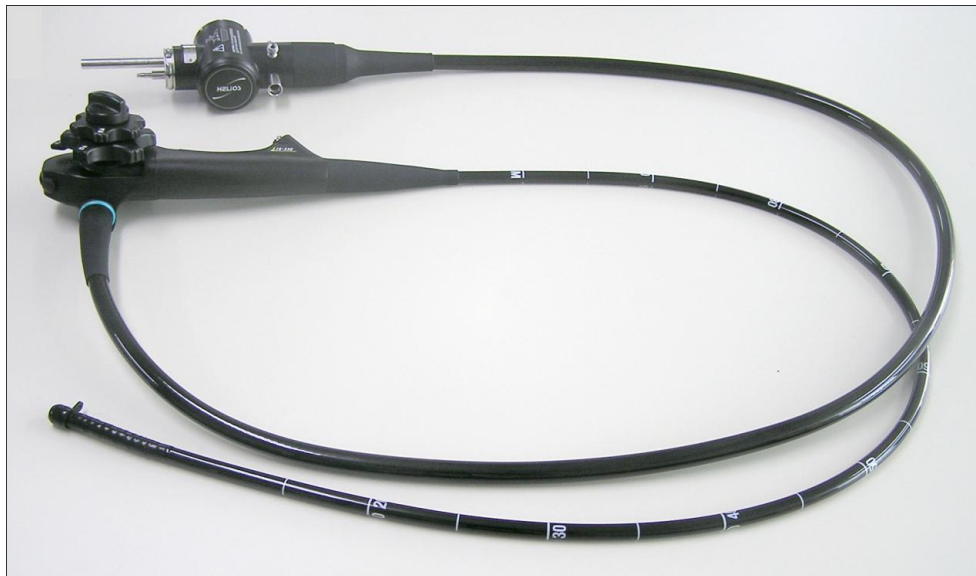
518051, Guangdong, China

Tel: +86-755-26722890

Fax: +86-755-26722850

Email: Service@sonoscape.net

Http:www.sonoscape.com

REV	ECN	Revision History	Date	Editor
A01	D00029319	First Release	2016-07-14	Shu Rong

Title	**EC-500 Series Video Colonoscope Technical Specifications**

SONOSCAPE MEDICAL CORP.	Document Number 901-03572		Distribution Number
	Version A01	Effective Date	Page Page 1 of 7

EC-500 Series Video Colonoscope Technical Specifications

SonoScape Medical Corp.

1. Overview

EC-500 series video colonoscope is medical device customized for examination and diagnosis of the lower digestive tract. It integrates the high-definition CMOS imaging technology, digital image processing technology, micro optical lens technology, and advanced software technology to implement high-quality image, improving the safety of the diagnosis and treatment process, accuracy of the judgment, and stability of the operation.

The device allows an operator to remotely operate such functions as real-time video collection, water feeding, air feeding, aspiration, image freezing and amplification. The device complies with international standards and national standards.

2. Advanced Technologies

- High-definition CMOS imaging technology
- Micro optical lens technology
- Large-view-field imaging lens technology
- Auxiliary water feeding
- High-conductivity and small-diameter insertion pipe with different rigidity at different sections
- Quick switch between air feeding and water feeding
- Small bending radius and large bending angle
- Adoption of polymer engineering materials, high resistance against disinfectant

3. Controls

- Electrical connector
- Air feeding port
- Light guide port
- Air/water feeding ports
- Suction port

- Auxiliary water-feeding port
- Electrosurgical equipment connector

4. Specifications

Refer to section 9 Appendix.

(Net weight of EC-500 series video colonoscope is 1.5kg.)

5. Applicable Range

The video endoscope is used with the image processor, light source, and other peripherals provided or recommended by the manufacturer. The video colonoscope is intended for use in examination and diagnosis of the lower digestive tract (including the rectum, colon and ileocecal valve).

6. Compatible Equipment

- Light source: HDL-500X and HDL-500E
- Image processor: HD-500
- Medical trolley

7. Safety Standards

- IEC 60601-1:1988+A1:1993+A2:1995
- IEC 60601-2-18:1996+A1:2000
- IEC 60601-1-2:2007

8. Environment Requirements

- **Operating Environments**
  - Temperature: +5°C to +40°C
  - Relative humidity: 15% to 90%
    (non-condensing)

- Atmospheric pressure: 700 to 1060hPa

● **Storage Environments**

- Temperature: -5°C to +50°C

- Relative humidity: 15% to 90%

   (non-condensing)

- Atmospheric pressure: 700 to 1060hPa

● **Transportation Environments**

- Temperature: -20°C to +55°C

- Relative humidity: 15% to 90%

   (non-condensing)

- Atmospheric pressure: 700 to 1060hPa

● **Safety Types**

- Degree of protection against electric shock: Type BF applied part

- Degree of protection against harmful liquid: IPX7

9. Accessories

● Biopsy Forceps elongated cups with needle fenestrated - 1 Qty.

● Biopsy Forceps - alligator type with RAT Tooth -1 Qty.

● Air Water Channel cleaning adapter - 1 Qty.

● Biopsy valve - 2 Qty.

● Channel plug - 1 Qty.

● Channel Cleaning Brush - 2 Qty.

● Channel Opening Cleaning Brush - 2 Qty.

● Injection Tube - 1 Qty

● Water resistant cap - 1 Qty

● Air leakage tester- 1 Qty

9. Appendix

No.	Parameter	EC-500	EC-500T	EC-500L	EC-500L/T
1	View direction	Front			
2	View field	140°			
3	Resolution	Resolution ≥ 12.50lp/mm (when the work distance is 10mm)			
4	View depth	3 ~100 mm			
5	Outer diameter of the distal end	Φ12mm	Φ12mm	Φ12.9mm	Φ12.9mm
6	Outer diameter of the bending section	Φ12.5mm	Φ12.5mm	Φ12.9mm	Φ12.9mm
7	Maximum outer diameter of the insertion section	≤Φ13.8mm	≤Φ13.8mm	≤Φ14.5mm	≤Φ14.5mm
8	Angle	Up 180°, down 180°			
		Left 160°, right 160°			
9	Minimum inner diameter of the instrument channel	Φ3.8mm	Φ3.8mm	Φ4.2mm	Φ4.2mm
10	Insertion section length	1350mm	1700mm	1350mm	1700mm
11	Total length	1700mm (±10%)	1950mm (±10%)	1700mm (±10%)	1950mm (±10%)
12	Minimum viewing distance of instrument channel	3mm			

No.	Parameter	EC-500	EC-500T	EC-500L	EC-500L/T
13	Illumination	≥18000Lx			
14	Aspirated amount	≥400ml/min			
15	Water/air feeding	Amount of fed water≥45ml/min, amount of fed air≥800mL/min			
16	Auxiliary water feeding	Support			
17	Endoscope information storage	Support			

Note:

- The specifications of this product may change without any prior notification.

- Some products or features may not be available in some countries.

- For further information, please contact your local SonoScape sales representative.

Service Information:

Address: 4/F, 5/F, 8/F, 9/F & 10/F, Yizhe Building, Yuquan Road, Nanshan, Shenzhen,

518051, Guangdong, China

Tel: +86-755-26722890

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Email: Service@sonoscape.net

Http:www.sonoscape.com

REV	ECN	Revision History	Date	Editor
A01	D00029319	First Release	2016-07-14	Shu Rong

Title	**EG-500 Series Video Gastroscope Technical Specifications**

SONOSCAPE MEDICAL CORP.	Document Number 901-03607		Distribution Number
	Version A01	Effective Date	Page Page 1 of 7

EG-500 Series Video Gastroscope Technical Specifications

SonoScape Medical Corp.

1. Overview

EG-500 series video gastroscope is medical device customized for examination and diagnosis of the upper digestive tract. It integrates the high-definition CMOS imaging technology, digital image processing technology, micro optical lens technology, and advanced software technology to implement high-quality image, improving the safety of the diagnosis and treatment process, accuracy of the judgment, and stability of the operation.

The device allows an operator to remotely operate such functions as real-time video collection, water feeding, air feeding, aspiration, image freezing and amplification. The device complies with international standards and national standards.

2. Advanced Technologies

- High-definition CMOS imaging technology
- Micro optical lens technology
- Large-view-field imaging lens technology
- Auxiliary water feeding
- High-conductivity and small-diameter insertion pipe with different rigidity at different sections
- Quick switch between air feeding and water feeding
- Small bending radius and large bending angle
- Adoption of polymer engineering materials, high resistance against disinfectant

3. Controls

- Electrical connector
- Air feeding port
- Light guide port
- Air/water feeding ports
- Suction port

- Auxiliary water-feeding port
- Electrosurgical equipment connector

4. Specifications

Refer to section 9 Appendix.

(Net weight of EG-500 series video gastroscope is 1.3kg.)

5. Applicable Range

The video gastroscope is used with the image processor, light source, and other peripherals provided or recommended by the manufacturer. It is intended for use in examination and diagnosis of the upper digestive tract (including the esophagus, gastric cavity and duodenum).

6. Compatible Equipment

- Light source: HDL-500X and HDL-500E
- Image processor: HD-500
- Medical trolley

7. Safety Standards

- IEC 60601-1:1988+A1:1993+A2:1995
- IEC 60601-2-18:1996+A1:2000
- IEC 60601-1-2:2007

8. Environment Requirements

- **Operating Environments**
  - Temperature: +5°C to +40°C
  - Relative humidity: 15% to 90%

    (non-condensing)

- Atmospheric pressure: 700 to 1060hPa

● **Storage Environments**

- Temperature: -5°C to +50°C

- Relative humidity: 15% to 90%

  (non-condensing)

- Atmospheric pressure: 700 to 1060hPa

● **Transportation Environments**

- Temperature: -20°C to +55°C

- Relative humidity: 15% to 90%

   (non-condensing)

- Atmospheric pressure: 700 to 1060hPa

● **Safety Types**

- Degree of protection against electric shock: Type BF applied part

- Degree of protection against harmful liquid: IPX7

9. Accessories

● Biopsy Forceps elongated cups with needle fenestrated - 1 Qty.

● Biopsy Forceps - alligator type with RAT Tooth -1 Qty.

● Air Water Channel cleaning adapter - 1 Qty.

● Biopsy valve - 2 Qty.

● Channel plug - 1 Qty.

● Channel Cleaning Brush - 2 Qty.

● Channel Opening Cleaning Brush - 2 Qty.

● Injection Tube - 1 Qty

● Water resistant cap - 1 Qty

● Air leakage tester- 1 Qty

9. Appendix

No.	Parameter	EG-500	EG-500L
1	View direction	Front	
2	View field	140°	
3	Resolution	Resolution ≥ 12.50lp/mm (when the work distance is 10mm)	
4	View depth	3~100 mm	
5	Outer diameter of the distal end	Φ9.3mm	Φ9.8mm
6	Outer diameter of the bending section	Φ9.3mm	Φ9.8mm
7	Maximum outer diameter of the insertion section	≤Φ10.5mm	≤Φ11.5mm
8	Angle	Up 210°, down 90°	
		Left 100°, right 100°	
9	Minimum inner diameter of the instrument channel	Φ2.8mm	Φ3.2mm
10	Insertion section length	1050mm	
11	Total length	1350mm	
12	Minimum viewing distance of instrument channel	3mm	
13	Illumination	≥18000Lx	
14	Aspirated amount	≥400ml/min	
15	Water/air feeding	Amount of fed water ≥40ml/min, amount of fed air≥800mL/min	
16	Auxiliary water feeding	Support	
17	Endoscope information storage	Support	

Note:

• The specifications of this product may change without any prior notification.

• Some products or features may not be available in some countries.

• For further information, please contact your local SonoScape sales representative.

Service Information:

Address: 4/F, 5/F, 8/F, 9/F & 10/F, Yizhe Building, Yuquan Road, Nanshan, Shenzhen, 518051, Guangdong, China

Tel: +86-755-26722890

Fax: +86-755-26722850

Email: Service@sonoscape.net

Http:www.sonoscape.com

LEAKAGE:MASTER

Leak-tightness tester

The LEAKAGE:MASTER does not only serve for the examination of the endoscope on tightness, but finds also use already from prepurifying up to the end of the disinfection procedure and protects your endoscope against liquid break-down by permanent, electronically controlled counter-pressure.

During the manual precleaning and disinfection the Leakage:Masters avoids an ingress of water into the endoscope by permanent air feed charge via the ETO-valve. The Leakage: Master is working with a counterpressure of approx. 200 mbar. Any possible leak is indicated visual and optical. The counterpressure will be sustained until the endoscope will be taken out of the fluid.

Therefore the Leakage: Master prevent high expenses for endoscope repair.
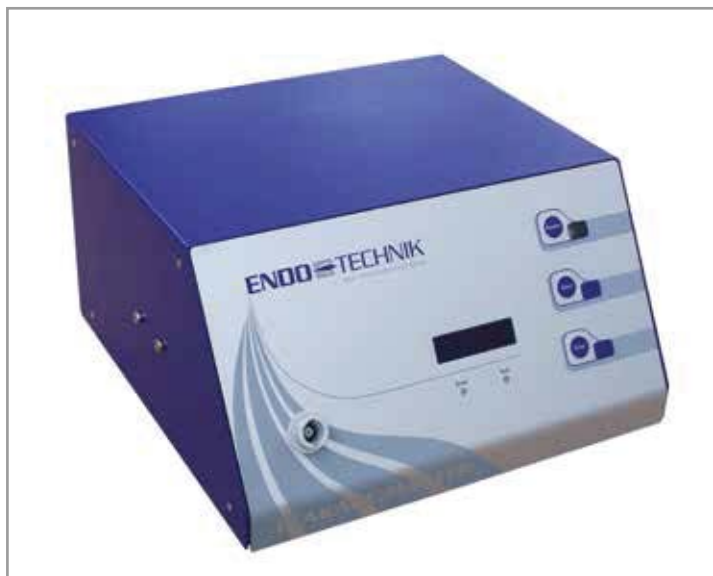
Product properties

» Suitable for all common, flexible endoscopes
» Exact readout by display
» Detects micro-perforations in less than 2 minutes
» Optical and acoustical alarm signal
» Leakage surveillance during the whole endoscope reprocessing
» Optionally available: Documentation by using the PRINT:MASTER

Technical data

Power supply:	230 V / 50 Hz
Fuses:	2 x 1.25 A delay-fuse
Supervision mark:	VDE 0750 (part 1/05.02)
Width:	280 mm
Height:	150 mm
Depth:	300 mm

LEAKAGE:MASTER

7900-PL10	Electronic tightness tester permanently for the ETO valve with integrated check valve H: 140 mm, W: 275 mm, D: 245 mm

Accessories

7526-OL-LM	Tightness test cap only for Olympus endoscopes
7526-RF-PE-LM	Tightness test cap made of stainless steel only for Pentax endoscopes
7526-FU-LM	Tightness test cap only for Fuji endoscopes
7903-005	Connection cord between Leakage:Master and Wash:Master
7526-ST-LM	Tubing Set including cap for LEAKAGE:MASTER suitable for Karl Storz Endoscopes, 4x1 mm length: 150 cm
7526-WO-LM	Tubing Set including cap for LEAKAGE:MASTER suitable for Richard Wolf Endoscopes, 4x1 mm length: 150 cm