

Lot 22

Sistem videoendoscopic pentru videocolonoscopie (caracteristici avansate)

Descriere Sistem video pentru investigarea internă , destinat pentru a vizualiza și trata afecțiuni în interiorul intestinului gros

Cod 290130 **HD 550 with colonoscope EC550T, trolley with transformer.**

Parametrul Specificația

Videoprocessor Intrări cameră ≥ 1 , Da.

Imaginea HDTV / HD $\geq 1920 \times 1080$ pixeli- pag 6, **Processor**

- Resolution: 1920×1080, 1920×1200

Controale / caracteristici Ajustare nuanță obligatoriu

Iluminare auto, **Da**,

Brightness	Auto/Manual, 1-19 levels
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Balans de alb auto-

White Balance	Auto-saved
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Acuitate obligatoriu

Image enhancement	Structure enhancement, Edge enhancement
Contrast/denoise	L/M/H , auto-denoise

Înghețarea imaginii obligatoriu, pag 4. **Processor**

- Image freeze/storage

- Real time image freeze

"Reducerea zgomotului imaginii" obligatoriu

AGC (Automatic gain control)	On/Off
AGC	Yes

Iris automat obligatoriu

IRIS	Peak/Avg/Auto
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Zoom electronic obligatoriu

Digital Zoom	1.4x, 1.6x, 1.8x
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Videocompensare obligatoriu

4.7.5 Image Enhancement

Press the **ENH** button on the front panel to adjust the edge enhancement level or structure enhancement level. The indicator corresponding to the selected level of edge enhancement or structure enhancement will be illuminated.

The image enhancement includes edge enhancement and structure enhancement. The structure enhancement includes two modes: Structure A and Structure B.

Ieșiri RGB 1 Y/C- da, prin S-video

Remarca:

 RGB analog

- Poate transmite semnal de calitate înaltă, dar:
 - nu este un standard HD „garantat”
 - depinde de bandă și de echipament
- Teoretic poate reda imagini apropiate de HD în anumite sisteme, dar:
 - nu este stabil ca standard HD (720p/1080p definite clar)

➡ Concluzie: **nu este considerat soluție HD modernă standard**

 Y/C (S-Video)

- Este limitat la semnal analog clasic
- Lățime de bandă insuficientă pentru HD
- conceput pentru PAL/NTSC (SD)



➡ Concluzie: **nu suportă HD**

Digital (DVI, SDI, HD-SDI)

Video output	SDI, DVI, VGA, CVBS, S-video
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Tehnologia de banda ingusta de culoare, care are rolul de a evidentia capilarele si structurile de pe suprafata mucoasei, pentru o mai buna delimitarea a leziunilor de la nivelul mucoasei da

Boosted Image Performance

The 4-LED light source enables multi-spectrum and multi-mode imaging. Its versatility not only allows a superior brightness under the White Light mode, but also an uncompromised illumination under chromoendoscopy modes SFI¹ and VIST², where the vascular color contrast and mucosal structure are greatly enhanced. You will get much more from this level of image performance.

White-light Mode (Default)	SFI Mode	VIST Mode
• Highly illuminated image • True to color • Suitable for routine observation	• Normal-focus mode with enhanced structure and color • Supporting in detection and demarcation of the lesions	• Near-focus mode with increased mucosal contrast • Assisting in characterization of the lesions and diagnosis

Sursa de lumină Tip lampă LED sau xenon $\geq 250\text{W}$ - **LED**

Timp de viață lampă $\geq 500\text{ h}$ - 10000 ore.

Service time	10000 hours (Continuous use)
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pentru lampa LED echivalentul la $\geq 250\text{ W}$ ", **DA**

Max. output light flux	• VLS-55Q and VLS-55T: $\geq 1400\text{ lm}$,
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Mod standby obligatoriu, da

6	On/Standby Button (⏻)	- Power off status: Press it to power on the device and the indicator lights on. - Power on status: Press it to switch the endoscope connection status; or, press it and hold for 3 seconds to power off the device on the main screen or the login screen, and the indicator lights off.
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Periferice disponibile Display medical HD ≥ 23 inch

27" High Resolution LCD Color Monitor

"Posibilitatea de stocare a datelor prin cel puțin una din metode" "DVD / SD-card / memory stick USB / HDD portabil"- incorporate, pag 5 Processor

- Storage capacity: 500GB (standard

Data Management	500G Built-in, 5 USB, DICOM
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Înregistrare a datelor pacienților (minim ID, nume, sex, data nasterii, varsta, comentariu) ≥ 50 înregistrări, Da 10000 pacienti, pag 10, 550 Processor

Digital Zoom	1.4X, 1.6X, 1.8X
Patient Data	≥ 10,000 records

8. Work Order List

- More than 10000 work orders can be created

and saved into the work order list.

Usermanual processor, pag 28

Order

Patient Info

ID:

*Name:

Gender:

Age:

Exam Info

Exam Item:

Pre-exam Date:

03/15/2021

Applicant:

Application Date:

03/15/2021

Status:

Not examined

(*: Required Filed.)

Save

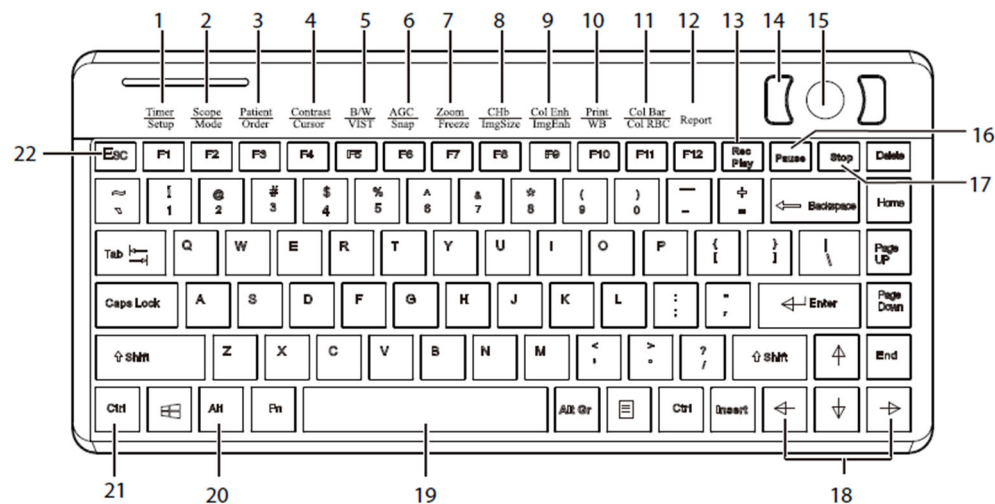
Exam

Exit

Figure 4-6 Work Order

Tastatura pentru introducerea datelor, tastare multilingva care poate tasta si semnele diacritice obligatoriu

2.3 Keyboard



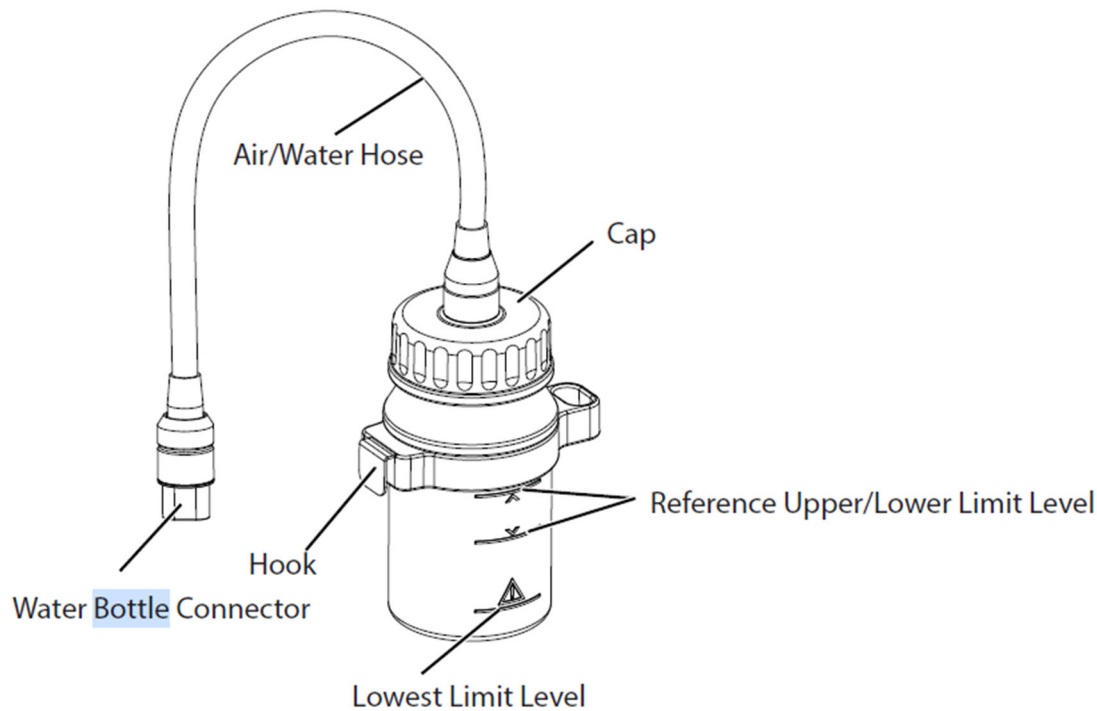
Suport pe rotile obligatoriu, DA

Keyboard tray	money cannot be moved easily.
	The keyboard tray is between the top cover and the Shelf A and near to bottom of the top cover. The keyboard tray can be pulled and pushed. Ensure that it can be moved easily.

Sistem de furnizare a aerului/appei minim 3 regimuri de lucru

Air feeding	4 levels (Off/L/M/H)
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volumul vasului pentru apă minim 250 ml, DA.



Sistem de aspirație Să se indice modelul oferit modelul H002

Tip Separat de procesor

Volumul rezervorului obligatoriu **2x 2500 ml**

Vid da

Dirijarea nivelului de aspirare în trepte

III. SPECIFICATIONS

1. Max vacuum: ≥ 90 kPa
2. Adjustable vacuum range: 20 kPa $\sim$ Max vacuum
3. Max airflow: ≥ 20 L/min
4. Sound Level: ≤ 60 dB(A)
5. Suction bottle (glass): 2500 ml/bottle, 2 bottles in a group

Accesorii:

Sursa de lumină modelul oferit 1 unit. **VLS-55Q** 1 unit.

Pompă inclusă

0,3- 0,6 Pa— extrem de mica valoare solicitata, improprie endoscopiei flexibile.

– Air-pump flow levels: high/medium/

low

– Pressure range: 45 Kpa – 65 Kpa

– Maximum air flow volume:

- High: 3.7 L/min – 5.5 L/min
- Medium: 3.0 L/min – 4.7 L/min
- Low: 2.0 L/min – 3.7 L/min

Tester automat 1 unit. (să se indice modelul) **LT-217**

LT-217™

AUTOMATIC SYSTEM TO CHECK THE INTEGRITY OF FLEXIBLE AND SEMI-RIGID ENDOSCOPES



LT-217

LT-217/B (with built-in barcode reader)

Dimensions: W 115 x D 240 x H 70 mm
Materials: Shock resistant plastic

Classification: laboratory instrument
Warranty: 12 months
Standard pump average life: 4.000 cycles

DESCRIPTION

Patented leak tester designed to check all types and brands of flexible and semi-rigid endoscopes. It verifies the integrity of the endoscope and its inner channels through a patented vacuum and pressure system. 5 different cycles are available, all customizable. Equipped with 4" display, battery charger, mini-USB connector to download cycles (cable included).

Aspirator endoscopic ≥ 0.85 bar—**0,9**

Vas de rezervă pentru aspirator $\geq 1,4$ litri, 1 unit.-2 buc. 2500 ml

Filtre pentru aspirator 5 unit.-10 buc

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II. ACCESSORIES LIST

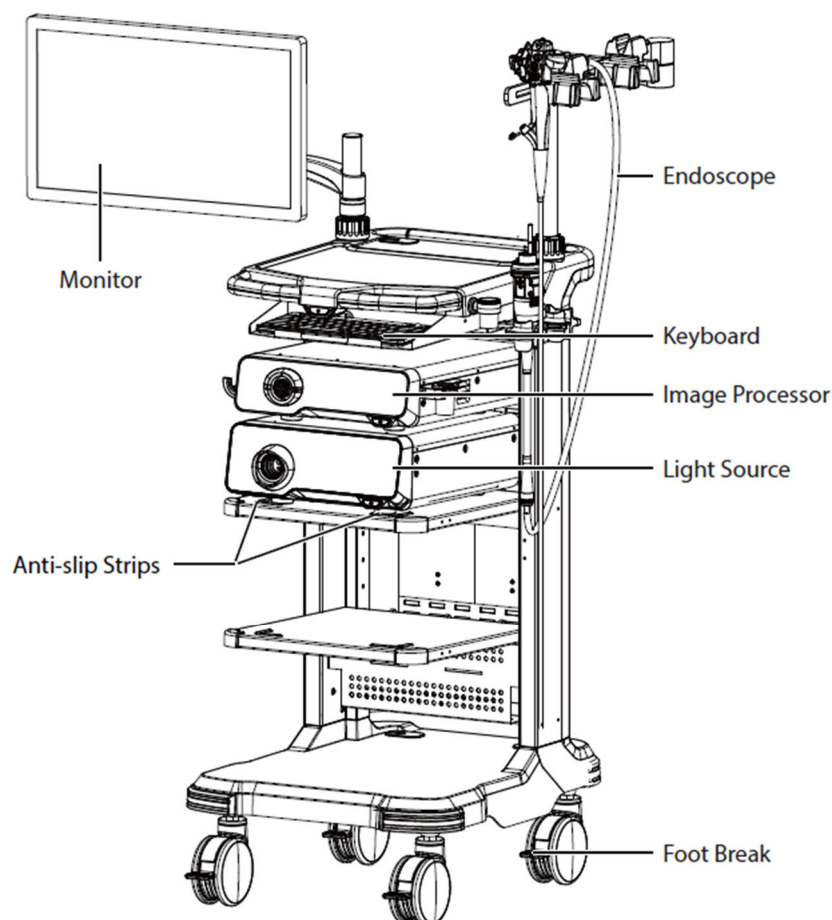
● Abdomen suction tube	1PC
● Suction soft tube $<\Phi 7 \times \Phi 12$, length 2m>	1PC
● Fuse tube< RF2AL250V $\sim$ / $\Phi 5 \times 20$ >	2PCS
● Power cord	1PC
● Foot-switch	1PC
● Air filter	2PCS
● Manual	1PC.

All specifications and product configurations are subject to change without notification.

Monitor 1 unit. **27" High Resolution LCD Color Monitor**

Trolie cu transformator de izolare pentru excluderea electrocutării pacienților și medicilor în timpul procedurilor 1 unit. (să se indice modelul) **HDT-500 (With Transformer) (brosura anexată)**

Polițe reglabile la înălțime sau fixe 4 unit. -5 unit



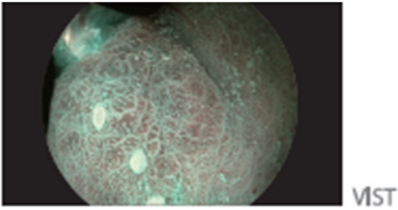
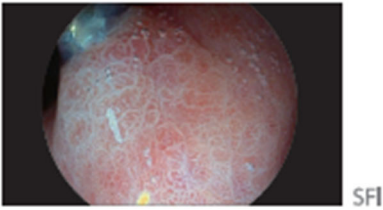
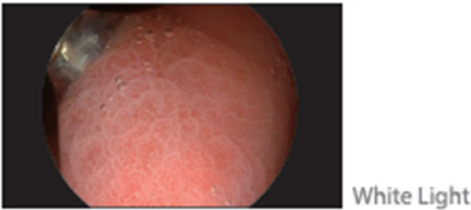
Videocolonoscop Să se indice modelul oferit modelul **EC550 T**
Tip HDTV / HD ≥ 1920x1080 pixeli, Da.

**HD-550,
Full High Definition Video Endoscopy System**

"Compatibilitatea cu Tehnologia de banda ingusta de culoare, care are rolul de a evidentia capilarele si structurile de pe suprafata mucoasei, pentru o mai buna delimitarea a leziunilor de la nivelul mucoasei" obligatoriu

- When switching among the variable intelligent staining technology (VIST) mode and the common illumination mode, the image would be interfered. Therefore, do not operate the endoscope or perform a treatment while switching. Otherwise, it may result in personal injury.

White-light Mode (Default)	SFI Mode	VIST Mode
• Highly illuminated image • True to color • Suitable for routine observation	• Normal-focus mode with enhanced structure and color • Supporting in detection and demarcation of the lesions	• Near-focus mode with increased mucosal contrast • Assisting in characterization of the lesions and diagnosis



¹SFI: Spectral Focused Imaging
²VIST: Variable Intelligent Staining Technology

Tubul de inserție Lungimea totală ≥1990----**2050 mm**

Technical Parameters		Product Model	
		EC-550	EC-550T
Dimensions	Total length	1700 mm,	2050 mm,

Lungimea de lucru ≥ 1680 mm-----**1700 mm**
 Diametrul exterior ≤ 12.8 mm-----**12,5 mm**
 Canalul de lucru Diametrul $\geq 3,7$ mm----**3,8 mm**
 Optica Unghiul câmpului de vedere > 160 ----**140 grade comuna pentru majoritatea producătorilor**
 Înclinarea câmpului vizual 0 grade, **DA**
 Adâncimea câmpului vizual 3-100, **DA**
 Rata de deflecție sus/jos 180 grade **DA**
 stînga/dreapta 160 grade **DA**

550 SERIES SCOPES

	EG-550	EG-550L	EC-550	EC-550T	EC-550L	EC-550L/T
Field of view	140°	140°	140°	140°	140°	140°
Depth of view	3-100mm	3-100mm	3-100mm	3-100mm	3-100mm	3-100mm
Distal End Dia.	9.3mm	9.8mm	12mm	12mm	12.9mm	12.9mm
Insertion Dia.	9.3mm	9.8mm	12.5mm	12.5mm	12.9mm	12.9mm
Instrument Dia.	2.8mm	3.2mm	3.8mm	3.8mm	4.2mm	4.2mm
Angulation	U210°, D90°, L/R100°		U/D180°, L/R160°			
Working length	1050mm	1050mm	1350mm	1700mm	1350mm	1700mm
Water Jet	Yes	Yes	Yes	Yes	Yes	Yes
OneTouch	Yes	Yes	Yes	Yes	Yes	Yes
Optical Fiber Trans	Yes	Yes	Yes	Yes	Yes	Yes

Cu funcție de rigidizare în trepte/graduală regabil a porțiunii distale care da posibilitatea ajustării rigidității colonoscopului prin simpla rotire a unui inel de ajustare de pe manerul endoscopului obligatoriu- **Da**



Funcționalitatea mâinerului de dirijare butoane ≥ 4 , **Da**

înghețarea imaginii obligatoriu
 eliberarea imaginii obligatoriu
 capturare imaginii obligatoriu
 reglarea intensității lumii obligatoriu
 reglarea tonului de culoare (filtre optice) obligatoriu
 modificarea contrastului obligatoriu
 pornirea / oprirea pompei suplimentare de apă obligatoriu
 zoom electronic obligatoriu

Remote Buttons (0/1/2/3), Left /right pedal of footswitch	Freeze	Click it to enable/disable the image-freezing function.
	Zoom	Click it to select the image magnification levels (L1/L2/L3).
	VIST	Click it to select the illumination mode.
	IRIS	Click it to select photometry modes (Ave , Peak and Auto).
	Img Enh	Click it to switch among the levels of edge enhancement or structure enhancement (L1/L2/L3).
	Col Enh	Click it to switch among the three levels of color enhancement (L1/L2/L3).
	CHb	Click it to adjust the size of CHb pseudo-color image.
	Transparent	Click it to enable/disable transillumination feature.
	Contrast	Click it to select the image contrast levels.
	AGC	Click it to enable/disable automatic gain feature.
	ImgSize	Click it to enter/exit full-screen mode.
	Snap	Click it to save the current endoscopic image..
	Video Print	Click it to print the endoscopic image.
	Record	Click it to start/stop recording.
	Timer	Click it to start/pause time keeping.
	PBP	After the endoscopic image is frozen, click it to enable/disable the picture by picture (PBP) feature.
	Content display	Switch the contents displayed on the main screen.
	Fast Export	Select it on the main screen to directly export the image or video saved currently.
	Fast Upload	Select it on the main screen to upload images and the report saved currently to the DICOM server.
Other	IRIS	Set the photometry mode.
	Contrast	Set the image contrast.
	Save Automatically	Tick it to save the value of IRIS and levels of ZOOM , ENH and COLOR in the current mode during shutdown or logout.

Canal suplimentar de apa prin care se poate pompa apa in jet pentru a permite curatarea colonului de mucus sau reziduuri obligatoriu- **DA**
 Spălarea obiectivului obligatoriu- **DA**

2.2.3 Distal End

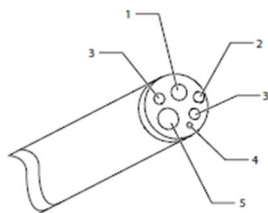
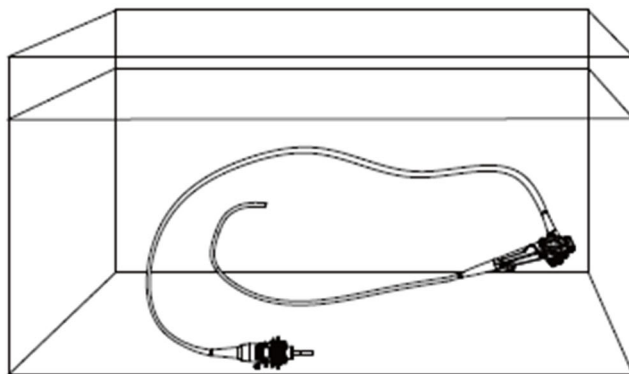


Figure 2-4 Distal End

No.	Part Name	Description
1	Objective Lens	Used for transmitting optical signals of the tissue image to be observed to the sensor.
2	Air/Water Nozzle	Used as an outlet for feeding air or water.
3	Light Guide Lens	Light is transmitted through these lenses to assist endoscopic image observation.
4	Auxiliary Water-feeding Outlet	Water spurts out from this outlet.
5	Instrument Channel Outlet	Used as an instrument (such as biopsy forceps) outlet, liquid feeding outlet or suction inlet.

Immersibil obligatoriu- **Da**

2. Immerse the entire endoscope in the cleaning solution. Disconnect the auxiliary water-feeding tube and the cap of the auxiliary water-feeding port from the endoscope.



Metode de sterilizare Chimic-**Da**

Etilen oxid opțional

Posibilitatea de a se efectua multiple proceduri de sterilizare minim o metodă de sterilizare- **DA**

HD-550 Endoscopy System	
PART NO.	DESCRIPTION
Standard Configuration(Gastro&Colonoscope System Package)	
	HDT-550 Trolley system (With or Without Isolated Transformer)
	Color Monitor 27"
	Video Gastroscope (EG-550 series gastroscope, including one scope only)
	Video Colonoscope (EC-550 series colonoscope, including one scope only)
	Light Source: VLS-50 series LED light source (VLS-50D or VLS-50T)
	Image Processor: HD-550
	Keyboard
	Suction Machine
Optional Parts	
	HDT-500 Trolley system
	HDT-500 Trolley system with Isolated Transformer
	Barco 26"
	Video Gastroscope EG-550: $\Phi 9.3 \times 1050$ mm, 2.8mm working channel
	Video Gastroscope EG-550L: $\Phi 9.8 \times 1050$ mm, 3.2mm working channel
	Video Colonoscope EC-550: $\Phi 12 \times 1350$ mm, 3.8mm working channel
	Video Colonoscope EC-550T: $\Phi 12 \times 1700$ mm, 3.8mm working channel
	Video Colonoscope EC-550L: $\Phi 12.9 \times 1350$ mm, 4.2mm working channel
	Video Colonoscope EC-550L/T: $\Phi 12.9 \times 1700$ mm, 4.2mm working channel
	Image Processor HD-550
	VLS-50D
	VLS-50T