HD-550 IMAGE PROCESSOR

Station	Separated
Video output	SDI, DVI, VGA, CVBS, S-video
Resolution	1080p
Chromo	SFI/VIST
Digital Zoom	1.4x,1.6x,1.8x
Patient Data	≥ 10,000 records
IRIS	Peak/Avg/Auto
Colour adjustment	Red, Blue, Chroma, +15 levels
Air feeding	4 levels (Off/L/M/H)
AGC	Yes
Data Management	500G Built-in, 5 USB, DICOM
White Balance	Auto-saved
Image enhancement	Structure enhancement, Edge enhancement
Contrast/denoise	L/M/H,auto-denoise
Dimension (mm)	480x370x125

VLS-55 SERIES LIGHT SOURCE

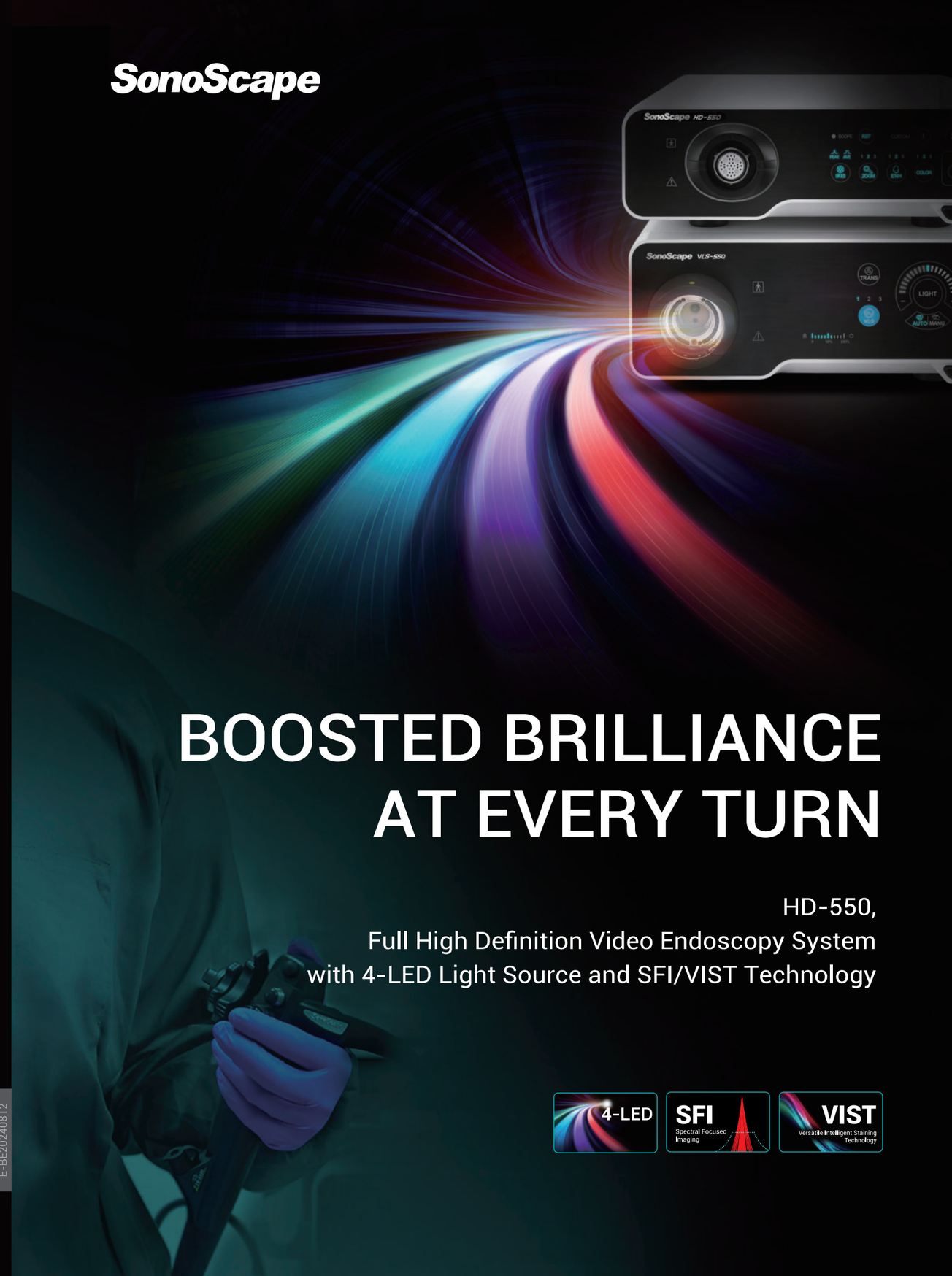
Main Lamp	Four LED lamps of different colors
White light mode	High color rendering index and high luminous flux
SFI/ VIST	High brightness and specific spectra in the 2 special light modes
Brightness	Auto/Manual, 1-19 levels
Transillumination mode	6-8 seconds
Service time	10000 hours (Continuous use)
Hot plugging	Yes
Dimension (mm)	473x370x154

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SonoScape



BOOSTED BRILLIANCE AT EVERY TURN

HD-550,
Full High Definition Video Endoscopy System
with 4-LED Light Source and SFI/VIST Technology

4-LED
SFI Spectral Focused Imaging
VIST Versatile Intelligent Staining Technology

Introducing a boosted brilliance at every turn on your way to image clarity. HD-550 is now equipped with the 4-LED light source, and an upgraded scope tubing. Supporting 1080p resolution, the added brightness provides even more image details under all light modes, and truly smooths the path in both diagnostic and therapeutic procedures.



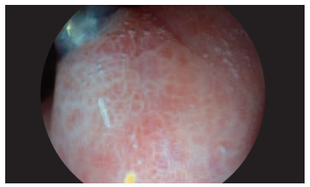
Boosted Image Performance

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 SFI[1] and VIST[2], where the vascular colour contrast and mucosal structure are greatly enhanced. You will get much more from this level of image performance.

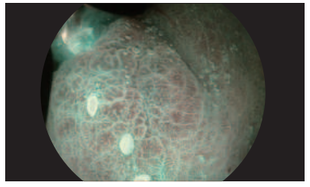
White-light Mode (Default)	SFI Mode	VIST Mode
• Highly illuminated image • True to colour • Suitable for routine observation	• Normal-focus mode with enhanced structure and colour • Supporting in detection and demarcation of the lesions	• Near-focus mode with increased mucosal contrast • Assisting in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



White Light



SFI



VIST

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



Prolonged luminosity

Equipped with a 4-LED light source, the HD-550 delivers brilliantly clear and vivid images. The LED lights consume much less energy comparing to Xenon and comes with an extended life span. Enjoy the brightness for much longer before thinking about bulb replacement.



Brilliant Workflow

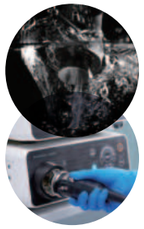
HD-550 inherits SonoScape's one of the kind built-in workstation with 500GB of hard disk. It allows you to access patient data, to capture and record images and videos, to create and edit the reports in one spot without the need of any extra software.

Boosted Maneuverability



Ergonomic experience

A new scope tubing paired with a light-weight handle, the upgraded 550 series scopes offer great comfort and ease during routine and complex operations, helping to shorten the procedure time, and to reduce both patients' discomfort and yours.



Ingenious design

One step connection, and real water-proof, the 550 series scopes can be plugged and unplugged, cleaned and disinfected straightforwardly at a minimal risk of water damage by mismanipulation, which indeed lightens your team's workload.

AN OUTLOOK FOR CONSISTENT EXCELLENCE

550 Series, The Routine Gastro- and Colonoscopes



Intubate and reach with ease, and observe to full extent owing to these scopes' short bending radius and large field of vision. Diagnose and treat with confidence thanks to their water jet function and generous instrument channel.

Equip your clinic with scopes of a wide range of parameters. They can be seamlessly integrated into diverse clinical environments, and will be reaffirming our commitment to excellence in patient care.

The 550 series of gastro- and colonoscopes has garnered global endorsement from expert endoscopists.



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 (mm)	3-100	3-100	3-100	3-100	3-100	3-100
Distal end Dia. (mm)	9.3	9.8	12	12	12.9	12.9
Insertion Dia. (mm)	9.3	9.8	12.5	12.5	12.9	12.9
Instrument Dia. (mm)	2.8	3.2	3.8	3.8	4.2	4.2
Angulation (°)	U210 , D90 , L/R100		U/D180 , L/R160			
Working length (mm)	1050	1050	1350	1700	1350	1700
Water Jet	YES					
OneTouch	YES					

DEFINED MOVEMENT, UNLIMITED PURPOSE

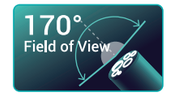
EC-P560 Series,
Slim Colonoscopes *with ATS and PFT Technology*









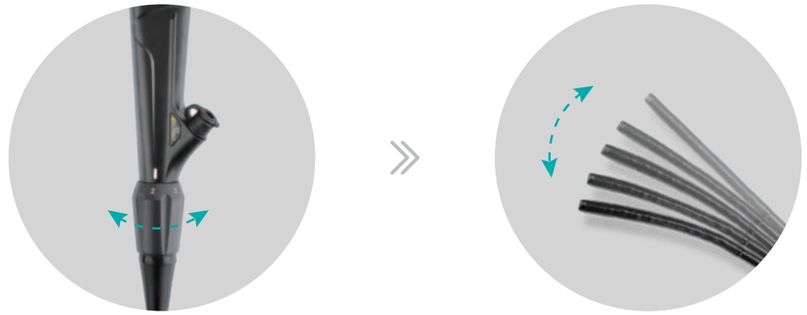


The versality of SonoScape's slim scopes originates from their well-balanced configurations.

With a small distal end, a slim body, and a satisfying instrument channel size, not only do they excel in routine diagnostic and therapeutic procedures, but are the go-to scopes for facing colon narrowing, stenosis and volvulus, or geriatric patients etc. In addition, their excellent field and depth of view assures the high quality of a colonoscopy.

Equipped with waterjet, ATS* and PFT† technology, SonoScape's slim scopes are physician focused. Their stiffness can be adjusted in continuous levels, and to the perfect nuance. The scope tubing is improved so it becomes more sensitive to the endoscopist's hand gestures, even easier to manoeuvre under challenging situations.

**ATS: Alterable Tubing Stiffness*
†PFT: Precise Force Transmission



Alterable Tubing Stiffness *to the right nuance that suits to the circumstances*

EC-P560 Series

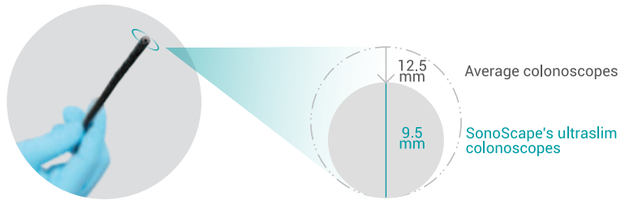
	EC-P560	EC-P560T
Field of view (°)	170	
Depth of view (mm)	2-100	
Distal-end Dia. (mm)	10.8	
Insertion tube Dia. (mm)	11.5	
Instrument channel Dia. (mm)	3.2	
Angulation (°)	Up/Down 180, Left/Right 160	
Working length (mm)	1350	1700
Waterjet	Available	
Special features	ATS (Alterable Tubing Stiffness), PFT (Precise Force Transmission)	
Connection	OneTouch, waterproof	
Compatibility	HD-550	

THE AGILITY OF NAVIGATION

EC-P550 Series, Ultra-slim Colonoscopes



The ultra-slim P550 colonoscopes offer the agility to treat children or patients with challenging anatomies in confidence. The depth of view is particularly adapted for colon lumen that has even more limited space. These features and more make these ultra-slim scopes a unique but much-needed addition in your unit.



MORE OPTIONS, LESS DISCOMFORT

EG-P550N, The Ultra-Slim Gastroscope for Transnasal Endoscopy



The ultra-slim gastroscope for transnasal endoscopy provides an alternative to the traditional gastroscopy, depends on clinical scenario and preference. Despite its slender distal end, its generous instrument channel ensures robust suction capacity.

Ultra-slim Series

	EC-P550S	EC-P550ST	EG-P550N
Field of view (°)	140		140
Depth of view (mm)	2-100		3–100
Distal-end diameter (mm)	9.7		5.4
Insertion tube diameter (mm)	9.5		5.8
Instrument channel diameter (mm)	3.2		2.2
Angulation (°)	Up/Down 180, Left/Right 160		Up 210 / Down 90, Right / Left 100
Working length (mm)	1350	1700	1100
Waterjet	Not equipped		Not equipped
Compatibility	HD-550		HD-550

SUPPORT OPTICAL DIAGNOSIS IN FOCUS

550Z series, Optical Magnification Gastro- and Colonoscopes







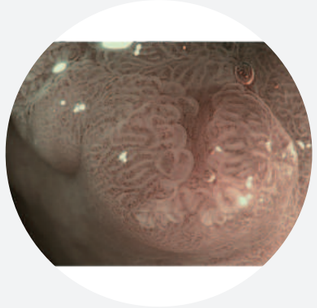


The 550Z series harness the power of 85 times optical magnification and is complemented by SonoScape's SFI/VIST virtual chromoendoscopy. This synergy enhances optical diagnosis capabilities, supports alignment between endoscopic and pathologic findings and unlocks a deeper understanding of cancer development in the GI tract.

Additionally, experience a smooth and precise vision adjustment, while maintaining the focus, thanks to the joint depth of field in the Wide and Tele mode.

The ATS* system incorporated in the colonoscope further ensures streamlined procedures, so you can navigate the complex terrains of diagnostics with unmatched adaptability.

*ATS: Alterable Tubing Stiffness



Optical magnification 85x with VIST



Manual magnification control with a zoom level

for a smooth and precise adjustment

Zoom Series

	EC-550Z	EG-550Z
Field of view (°)	Wide:140; Tele: 90	Wide: 140; Tele: 90
Depth of field (mm)	Normal: 3–100	Normal: 3 –100
	Tele: 1.5–3	Tele: 1.5 –3
Angulation (°)	Up 180 / Down 180	Up 210 / Down 90
	Right 160 / Left 160	Right 100 / Left 100
Distal-end outer diameter (mm)	12.2	10.8
Insertion tube outer diameter (mm)	12.7	10.5
Instrument channel inner diameter (mm)	3.8	2.8
Working length (mm)	1350	1050
Waterjet	Yes	Yes
Alterable Tubing Stiffness	Yes	No