

Ultrasonic Processor SU-8000 Specifications

Ultrasonic Processor SU-8000

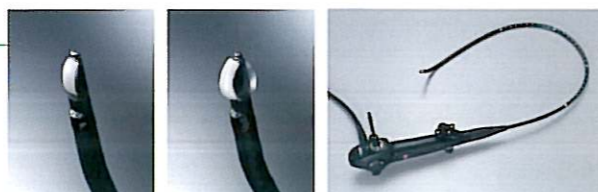


Power supply	AC120V	AC230V
	60Hz	50Hz
Current consumption (rated)	2.2A	1.4A
	1.8A	1.2A
Applicable scopes	EG-530U series scope	
	EB-530U series scope	
Video output terminal	Video terminal (1 channel)	
	S video terminal (1 channel)	
	RGB PC terminal (1 channel)	
	RGB PC/TV terminal (1 channel)	
	DVI image input terminal (1 channel)	
Audio output terminal	HD-SDI terminal (2 channels)	
	RCA terminal (1 channel)	
Video input terminal	DVI image input terminal (1 channel)	
	S video terminal (PROCESSOR) (1 channel)	
	S video terminal (SP702) (1 channel)	
Control terminal	Remote terminal (2 channels)	
	Foot Switch terminal (1 channel)	
	Keyboard terminal (1 channel)	
	RS232C terminal (PROCESSOR) (1 channel)	
Network terminal (1 channel)	RS232C terminal (SP702) (1 channel)	
	Ethernet (100BaseTX)	
Image storage	Storage	
	CF memory card, networked shared folder (FTP, DICOM)	
	File format	TIFF, JPEG
External dimensions (W×H×D)		375×215×445mm (including protruding parts)
Weight		14kg

Generic Name : Ultrasound system, imaging, general-purpose

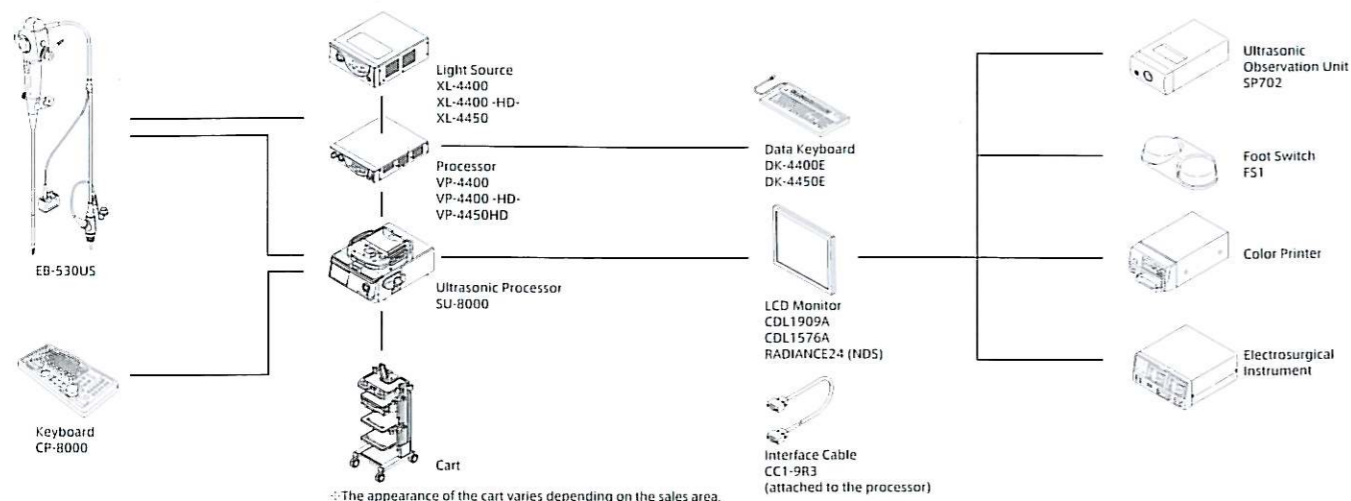
Ultrasonic Video Broncho Endoscopes Specifications

Convex Scan Ultrasonic Video Broncho Endoscope EB-530US



Endoscopic functions	Model	EB-530US	Ultrasonic functions	Scanning mode	Color Doppler, Power Doppler, Pulse wave, B mode, M mode	
	Viewing direction	10° (Forward Oblique)		Scanning method	Electronic scan (convex)	
	Observation range	3 to 100 mm		Scanning angle	65°	
	Field of view	120°		Frequency	5 MHz/7.5 MHz/10 MHz/12 MHz	
	Distal end diameter	6.7 mm		Generic Name : Bronchoscope, flexible, ultrasound		
	Flexible portion diameter	6.3 mm				
	Bending capability (UP/DOWN)	130° / 90°				
	Forceps channel diameter	2.0 mm				
	Working length	610 mm				
Overall length	880 mm					

Sonart System Configuration



FUJIFILM

FUJIFILM Endoscopic Ultrasonography System

Ultrasonic Video Bronchoscope EB-530US



Sonart

FUJIFILM

FUJIFILM Corporation

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<http://www.fujifilm.com/products/medical/endoscopy/contact/>

Ultrasonic bronchoscope for ultrasonographic diagnosis

The improved maneuverability and insertion capability reduce patient discomfort and improve operator efficiency. These features, together with high quality image, support safe ultrasonographic diagnosis.



Equipped with the Super CCD Honeycom

Equipped with the Super CCD Honeycom at the tip of endoscope, this ultrasonic bronchoscope offers high-resolution endoscopic images.

Convex Scan Ultrasonic Video Broncho Endoscope

EB-530US

Distal end outer diameter of 6.7 mm

The ultra-slim endoscope with a distal end outer diameter of 6.7 mm reduces patient discomfort and improves maneuverability and insertion capability.

Multilateral approaches to improving maneuverability

Full support for observation, diagnosis, and treatment of lesions and tissue collection in the bronchial region. Multilateral efforts improve maneuverability for safer diagnoses.

Paracentesis while constantly monitoring the position of the needle with 10° forward oblique view

The use of the 10° forward oblique view and optimal positioning of the ultrasonic transducer improve maneuverability and safety during paracentesis. The opening of the forceps channel is constantly displayed in an endoscopic image to help locate the puncture needle.



Two lights to support paracentesis

Two lights on opposite sides illuminate the front and eliminate shadows during paracentesis. An appropriate needle angle facilitates smooth paracentesis at the target site.



Appropriate bending angle for easy paracentesis [UP 130°/DOWN 90°]

A large bending angle facilitates paracentesis at the target site.



Optional accessories

Balloon B20BU (20 pieces/pack)



Suction Button SB-602
-Sterilized
-Single Use



SU-8000, an ultrasonic processor with high quality image

Equipped with ZONE Sonography™ technology and Sound Speed Correction technology, the SU-8000 produces high quality images. This compact, one-cart system facilitates endoscopic ultrasonography.

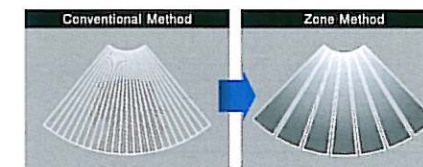
Ultrasonic Processor
SU-8000



ZONE Sonography™ technology ensures high quality images

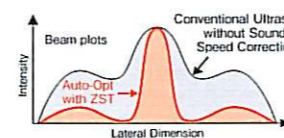
ZONE Sonography™ technology is based on an innovative idea

In conventional ultrasound systems, the sound speed in the body depends on physical factors, and thus the use of a narrower beam requires a longer time for data acquisition, imposing limitations on improvements to image quality. ZONE Sonography™ technology defies conventional wisdom in ultrasonography. The technology delivers wide ultrasound beams and quickly acquires large amounts of echo data in sizeable zones. Split-second data acquisition allows highly advanced image processing.



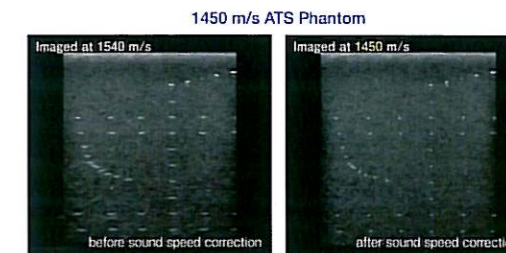
Sound Speed Correction technology improves image resolution

Advanced image processing technology estimates the optimal speed of ultrasound traveling through the body (sound speed) and constructs images.



What is sound speed correction?

The resolution in the lateral dimension deteriorates due to a difference in sound speed. By correcting this and carrying out optimization, the resolution in the lateral dimension is improved.



Display quality images in different modes

Technologies developed in the field of ultrasonographic diagnosis improve the quality of ultrasound images. Images created from advanced image processing enable the use of appropriate modes for your setting.

C mode

The color Doppler function obtains hemodynamic information in disease areas and helps you locate the observation site and vascular structures.

SU-8000 Scanning Modes;
C mode, Power Doppler,
Pulse wave, B mode, M mode

Frequency switching

A wide range of frequencies (5, 7.5, 10, and 12 MHz) help to delineate clear images of the gastrointestinal wall and adjacent organs.



C mode

Compact Flash (CF) card slot

Images during examinations are stored directly on a CF card.

Compact Flash is a registered trademark of SanDisk Corporation.

Sonart

Sonart, an endoscopic ultrasonography system, is now available.

Sonart ensures high quality image and high performance in a single compact cart. ZONE Sonography™ technology and Sound Speed Correction technology deliver delineation of clear and high quality images.