

Diagnostic Scanner

Convex / Linear Ultrasonic System

HS-2100

Our unique technology is the product of our originality and continual pursuance of achieving high quality. It is also our purpose to contribute in ways that will enhance society.



SPECIFICATIONS

Scanning Method	Linear / Convex electronic scan	
Display Mode	B, B/B, B/Z, B/M, M	
Range	0-20 mm_0-240 mm (10mm step)	
Focusing Method	Full Digital Beam Forming, Continuous Dynamic Receiving Focus 4 Stage Dynamic Transmission Focus	
Ultrasound frequency	2.8 to 12.5 MHz	
Display Monitor	10.4 " SVGA LCD, 8 bits, 256 gray scales wide viewing angle (horizontal:170° vertical: 170°)	
Image Display	Up/Down, Left /Right	
Image Adjustment	B-gain, M-gain	36 to 100dB 1dB step
	Dynamic Range	35 to 95 dB 10 dB step (1dB adjustable)
	STC	8 segment
	Acoustic Power	20% - 100% (10% step)
	γ correction	5 types (max. 10)
	<i>H-res</i> (Image Enhancement)	Soft: OFF and 4 level
		Edge: OFF and 3 level
	Sweep Speed	1, 2, 4, 8 sec./frame
Cine Memory	255 frames	
Measurement Function	Distance, Circumference, Area, Volume, Angle, Hip Joint, Histogram, Gestational weeks Calculation, EFW, Velocity, Heart Rate, LV Calculation	
Character Display	Hospital name, Patient name, ID, Age, Sex, DOB, LMP, Date, Time, Probe type, Range, Gain, Acoustic Power,Dynamic Range, Gamma, <i>H-res</i> , Gray Scale, Focus information	
Probe Connector	2 (selected by keyboard)	

Dimension (WxDxH)	Approx. 335 x 200 x 380 (mm) (keyboard closed) Approx. 335 x 500 x 380 (mm) (keyboard opened)	
Net Weight	11 kg approx.	
Power Source	100V~240V AC±10% 50/60Hz 150VA	
Data storage	Still Image (JPEG)	Internal (100 Images max.) External USB memory
	Moving Image (AVI)	External USB memory
External I/O	USB memory port	x 1
	Video output	x 2 channel (composite video)
	External monitor	Analog RGB
	Printer Remote Port x1	
	Foot switch	
Probes	2.8/3.5/5.0MHz 60R Convex probe	HCS-536M, HCS-436M
	5.0/7.5/10.0MHz 50mm Linear probe	HLS-575M, HLS-475M
	5.0/7.5/9.0MHz 10R Micro-Convex probe (Transvaginal 120°)	HCS-5710MV, HCS-4710MV
	7.5/10.0/12.5MHz 30mm Linear probe (small parts)	HLS-513M, HLS-413
	5.0/7.5/9.0MHz 12R Micro-Convex probe	HCS-5712M
	3.5/5.0/7.0MHz 20R Micro-Convex probe	HCS-452M
	5.0/7.5/9.0MHz 10R Micro-Convex probe	HCS-4710M
	5.0/7.5/10.0MHz 50mm Linear probe (Transrectal)	HLS-455R
	2.8/3.5/5.0MHz 80mm Linear probe	HLS-438
Option	Video Printer Foot Switch Biopsy Guide Stand Off	

*The specifications and appearance are subject to change without notice for improvement.
*Made in Japan



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Registered company for ISO 9001/ ISO 13485/ ISO 14001

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Superior image quality in a portable unit

The HS-2100



- Advanced technology and excellent image embodied in a chic unit -

Honda brought superior resolution in a portable unit. The new full digital scan converter and refined focus technology with "H-res" (Honda resolution technology) realized very fine and smooth image quality.

What you see is REALITY!

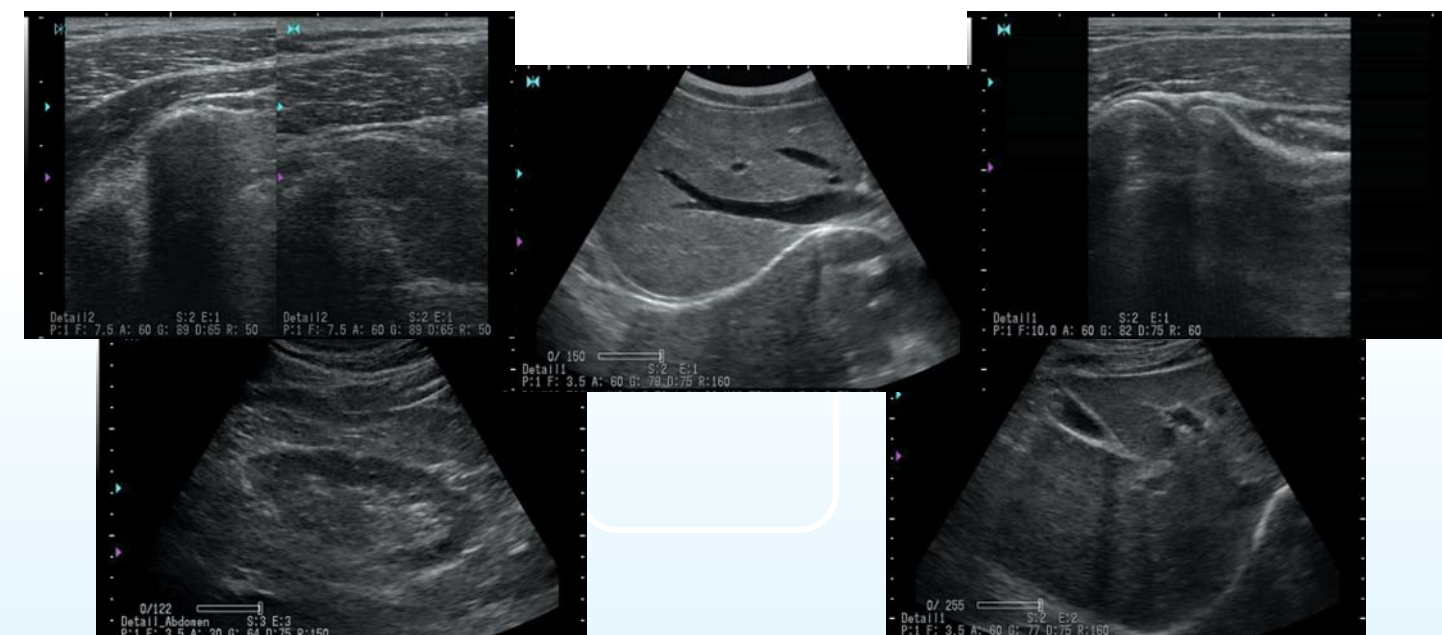
Outstanding features

1. Full Digital Scan Converter
2. Sharp and smooth *H-res* technology
3. 128 channel high resolution probes
4. Wide screen in compact body
5. Moving image storage
6. Patient database function
7. USB memory port



1 Full Digital Scan Converter

Complete digital technology gives a full range of continuous focus.

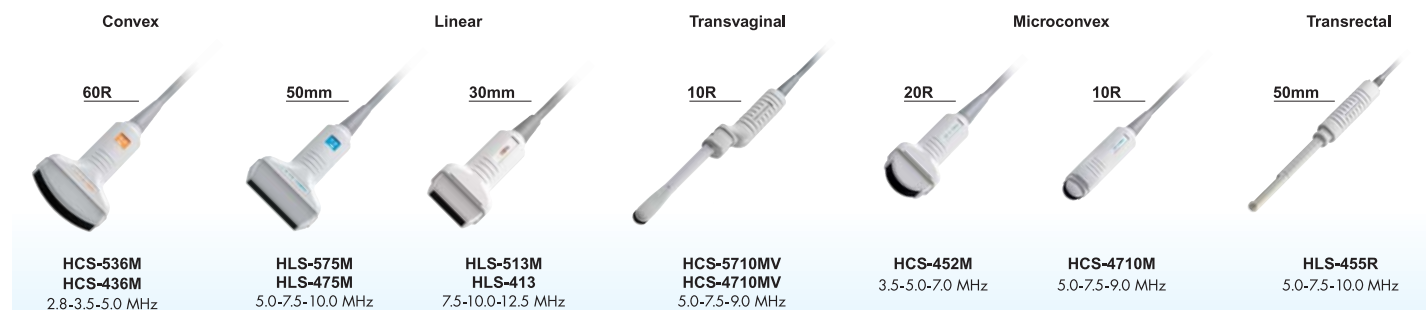


2 Sharp and smooth *H-res* technology

The optimized image enhancement technology, "H-res" brings perfect solution for visibility. It realizes smoothness and sharpness at the same time.

3 Wide range of probe selection

Newly developed high resolution #5 series probes are added to the previously released Honda probe selection.

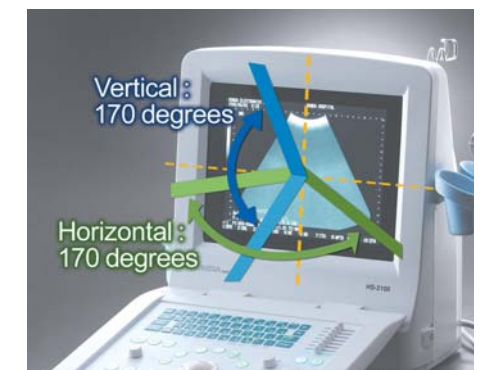


4 Wide screen in compact body

The screen size is 10.4 inches and the footprint is very small. The unit can be transported anywhere.

Carefully chosen latest released LCD panel brings the widest range of gray shade, which eases the readability of the ultrasound image.

Wide viewing angle enables comfortable clinical observation.



6 Patient database

Scanned images can be stored under the name and ID of each patient. It will ease the patient record tracking.

Each data will be stored under separate folders in the memory, and they can be easily accessed.

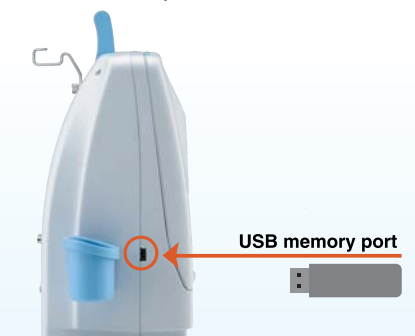
7 USB memory port

USB port allows you to store still and moving image data and carry them to your own PC.

It gives very good portability for the scanned data.

Internal memory has capacity of 100 images (max.) and adding USB memory allows you unlimited capacity.

Standard USB flash memory can be used.



5 Moving image storage

Cine memory data can be stored as moving picture data into a memory at USB port.

You can easily cut out the necessary scene from a maximum of 255 frames for better visibility and handling.

