

# SAMSUNG

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# Samsung Ultrasound SONOACE X7

A compact system with advanced performance



**EXPERIENCE**  
A New Healthcare  
Solution

# SAMSUNG

## Re-defined

The SONOACE X7, with Samsung's outstanding 2D performance, sensitive Pulsed Wave and color Doppler redefines how to meet the essential needs of users. The SONOACE X7 offers, e-Motion Marker™, ElastoScan™, Strain, Stress Echo and many additional tools for diagnosis in multiple applications.



A compact system with advanced performance

## Accurate and easy diagnosis

### 3 Port Connectivity

Probes need not be changed frequently. Hence, Increases the durability of Probes and system also relieves user from effort of changing the the probes repeatedly.



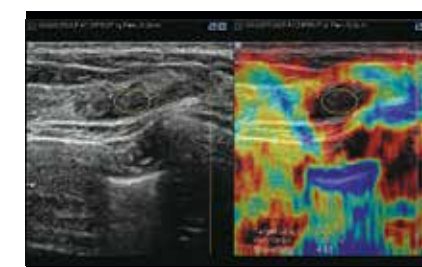
### 3D Free-hand

Free-hand 3-dimensional (3D) ultrasound has the advantages of flexibility for allowing clinicians to manipulate the ultrasound probe over the examined body surface with less constraint in comparison with other scanning protocols.



### ElastoScan™

ElastoScan™ detects the presence of a solid mass in tissue using ultrasound, and subsequently converts the stiffness into images. Since many tumors have tissue characteristics that are harder than the surrounding tissues, they appear less elastic than the surrounding tissue, and so the difference in tissue elasticity provides clearer contrast and can be used to verify the presence of a lesion.



Breast Parenchyma

# Advanced performance for your efficiency

## Accurate

The effective utilization of a wide Dynamic Range, in combination with sophisticated image processing features like SCI™, DMR+™ ensures consistent high resolution images with the SONOACE X7

- DPDI
  - DMR+™
  - Wide Dynamic Range
  - Multi Beam Processing
- SCI™ (Spatial Compound Imaging™)
  - FSI™ (Full Spectrum Imaging™)
  - SRF™ (Speckle Reduction Filter™)

## Easy

Samsung's advanced features such as ElastoScan™ and e-Motion Marker™ ensure easy detection upholding diagnostic confidence.

- ElastoScan™
  - Strain
- Stress Echo
  - e-Motion Marker™
  - Panoramic

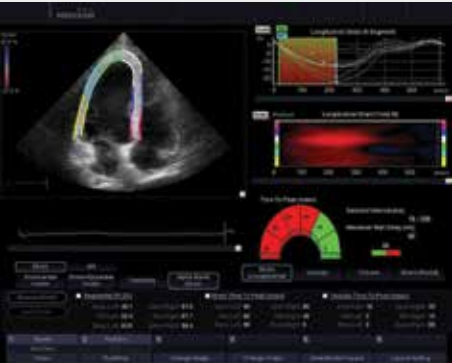
## Fast

Advanced 2D recognition software, QuickScan™ and Auto IMT+™ allows the SONOACE X7 to optimize the workflow with the simple push of a button.

- QuickScan™
  - Auto IMT+™
- Trapezoidal View

## Strain\*

Strain function quantitatively displays cardiac motion using motion vectors and diagnoses cardiac dyssynchrony. User can detect information of radial speckle tracking easily and obtain trajectory with strain information, which enables examiner to have intuitive diagnosis.



## Stress Echo\*

The SONOACE X7 provides a package for pharmacological Stress Echo, diastolic Stress Echo, and exercise Stress Echo. The programmable features of each Stress Echo study give you a streamlined workflow to fit your needs. Stress Echo supports a flexible reporting format that can be individually optimized for your workplace environment.

# Optimized transducer set configuration

Samsung's transducer technology ensures excellent visualization that gives you powerful diagnostic capabilities.

## Curved array transducers



- C2-8**

  - Application : abdomen, obstetrics, gynecology
  - Field of view : 68.17°
- C2-5**

  - Application : abdomen, obstetrics, gynecology
  - Field of view : 47.7°
- CF4-9**

  - Application: abdomen, vascular, pediatric
  - Field of view: 92°

## Linear array transducers



- L3-8**

  - Application : abdomen, vascular, small parts
  - Field of view : 38.71mm
- L5-12/50**

  - Application : vascular, small parts, musculoskeletal
  - Field of view : 52mm
- LN5-12**

  - Application : vascular, small parts, musculoskeletal
  - Field of view : 38.1mm

## Endocavity transducers



- EVN4-9**

  - Application : obstetrics, gynecology, urology
  - Field of view : 148°
- ER4-9**

  - Application : obstetrics, gynecology, urology
  - Field of view : 148°

## CW transducer



- CW2.0**
- Application : cardiac

## Phased array transducers



- P2-4**

  - Application : abdomen, cardiac, TCD
  - Field of view : 90°
- PN2-4**

  - Application : abdomen, cardiac, TCD
  - Field of view : 90°
- SP3-8**

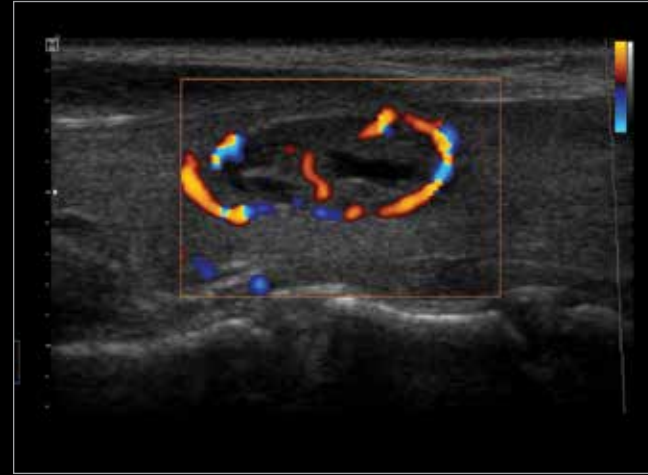
  - Application: abdomen, cardiac, TCD
  - Field of view: 90°



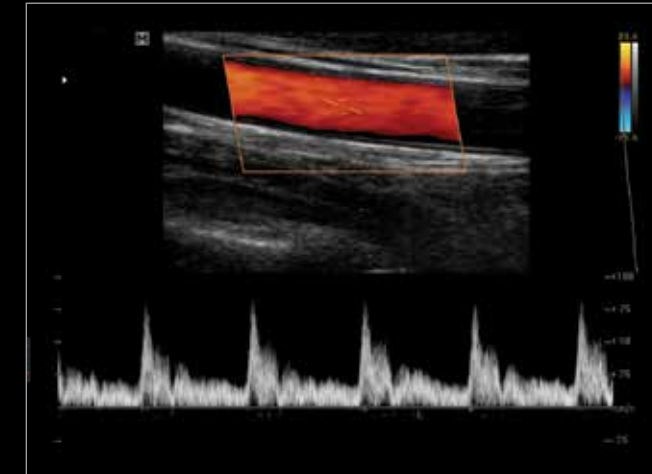
## Image gallery



Fetal profile at 22 weeks



Thyroid nodule of DPDI image



Carotid artery Doppler image



Fetal blood circulation



Kidney



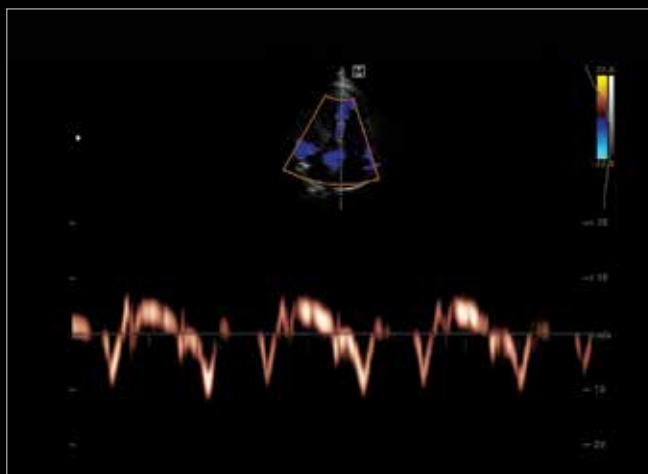
Liver



U. A. Doppler (zoomed)



Vaginal image of ovary follicles



Adult heart with Pulsed Wave TDI



Trivial Regurgitation

## Ergonomic design

The SONOACE X7 is a slim and compact system with many ergonomic features. The control panel can be set by the user to the desired height. And thanks to its light weight, it provides easy mobility. Also, the control panel offers a simple user interface with customizable menu buttons,



### Control panel

The control panel can easily be adjusted to the user's preferred height for a better working position. The control panel's design contributes to the improved workflow of the SONOACE X7.



### Front and rear handle

To further improve the mobility of the SONOACE X7, it is equipped with handles on both side of the front and the rear.



### \* 48.2 cm (19") monitor

The SONOACE X7 offers a clearer 48.2 cm (19") monitor view which contributes to a more accurate diagnosis.



### e-Motion Marker™ sensor

The SONOACE X7 provides Samsung's motion sensor for endocavity transducers that is detachable.

\*Some features may be optional.

