

Samsung Medison is a global leading medical devices company. Founded in 1985, the company now sells cutting-edge medical devices including diagnostic ultrasound, digital X-ray and blood analyzer, in 110 countries around the world. The company has attracted global attention in the medical field with its R&D capabilities and advanced technologies. In 2011, Samsung Medison became an affiliate company of Samsung Electronics, integrating world's best IT, image processing, semiconductor and communication technologies into medical devices.

CT-A30-RAD-JWP-CMI-140919-EN

## Leading the New Standards



ACCUVIX A30

SAMSUNG

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# EXPERIENCE SUPERB PERFORMANCE

As the pioneer in ultrasound and imaging, Samsung Medison sets global standards in ultrasound systems. We focus on supporting more accurate, easier and faster diagnosis. Our new ACCUVIX A30 system establishes new benchmarks in operational convenience with features such as EZ Exam™ and ElastoScan™. Furthermore, the ACCUVIX A30 offers 21.5 inch LED ultrasound monitor, enriched 3D performance, and increased detection rates, advanced semi-automation, customizable interface and ergonomic design.



## More Accurate Images

Superior image quality supports clinical decision-making and reduces uncertainty for increased diagnostic confidence.

## Easier Operation

Extensive semi-automation, intuitive controls and ergonomic design empower users to provide higher-level care.

## Faster Access

Newly designed imaging tools and advanced technologies deliver superior image quality while saving your time and effort.

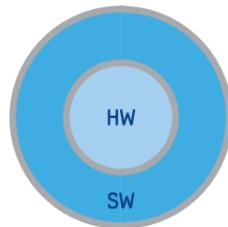
# ACQUIRE SUPERIOR SCANS

Utilizing the full HD LED monitor, powerful engine capabilities, cutting-edge color representations and specialized transducers, Samsung Medison's smart technology provides high resolution and measurements for greater diagnostic confidence.



## Hybrid Beamforming Engine

With enhanced H/W and newly added S/W engines, users can process data more accurately through optimized processing. This Hybrid Beamforming Engine enables a more in-depth, and a more detailed scanning with a higher energy output



## Enhanced DPDI™

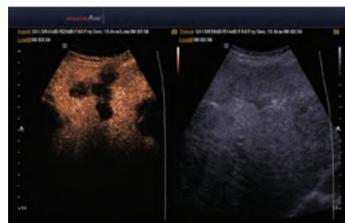
Enhanced DPDI™, a color Doppler with greater sensitivity, can help to detect peripheral blood vessels. Its advanced Doppler enables accurate diagnosis when color detection is especially difficult.



Renal vessels of DPDI™

## Low-MI (Contrast-Enhanced Ultrasound)

Contrast agent is a function which qualifies the standard provided by CEUS. With the contrast agent, exam has become easier by providing dual live view and single toggle view. The TIC analysis tool allows the detection of change in intensity over time which increases accuracy in diagnosis.



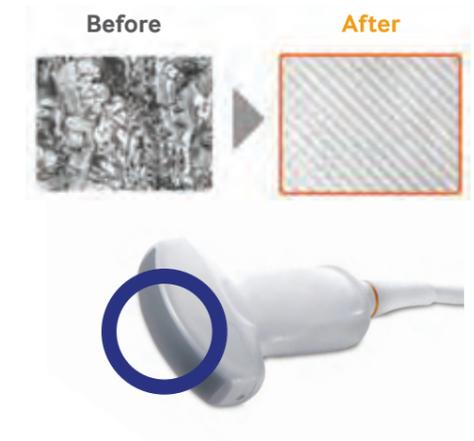
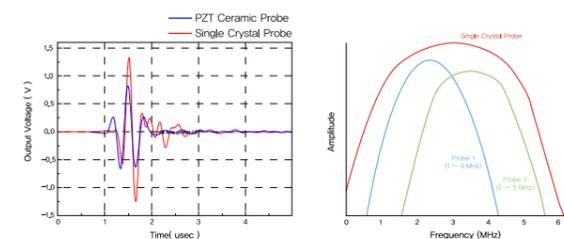
Liver mass



**21.5-inch Full HD LED Monitor**  
With the release of the world's 21.5-inch LED ultrasound monitor, the ACCUVIX A30 introduces high-quality color image representation. The new, wider monitor provides superior performance by adapting both advantages from CRT and LCD monitors: high contrast and great resolution.

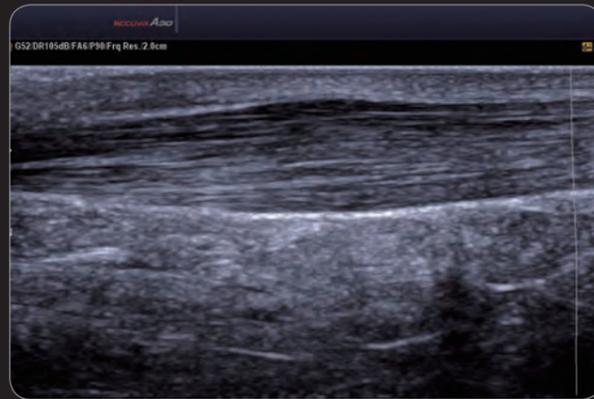
## Single Crystal

The single crystal material provides a wide bandwidth which allows the user to utilize a wider range of frequency that grants a better resolution along with penetration. Also because of the high sensitivity, reflected signals can detect small blood flow.

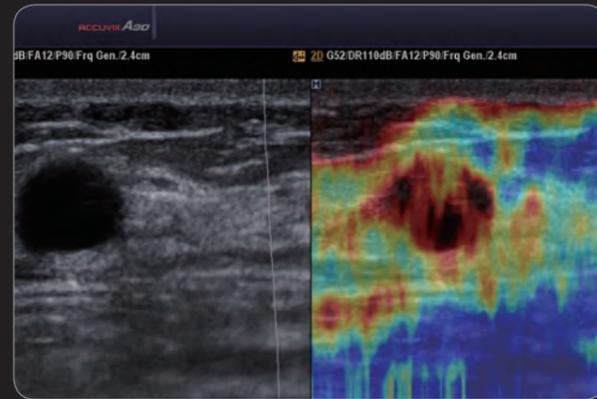


# ACHIEVE ENHANCED IMAGE

Our state-of-the-art diagnostic systems rely on innovative technologies to enhance ultrasound imaging. Thanks to improved and sharper contrast resolution, images are in higher quality making them easier to analyze. With advanced imaging construction, the ACCUVIX A30 improves efficiency in imaging under all possible conditions.



Achilles tendon



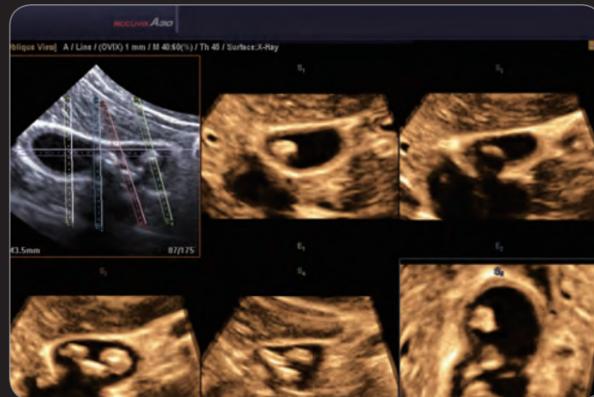
Breast ElastoScan™



Renal vessels



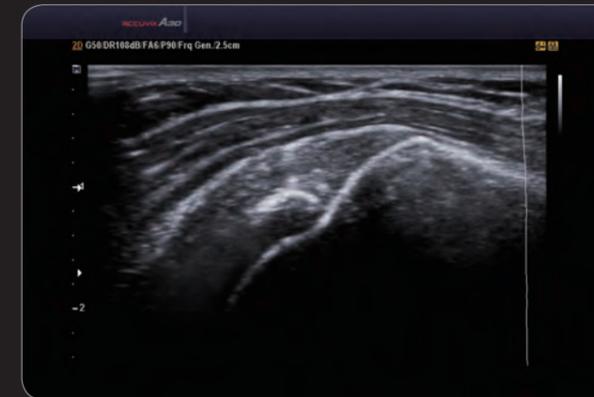
Fibroadenoma image with SCI™



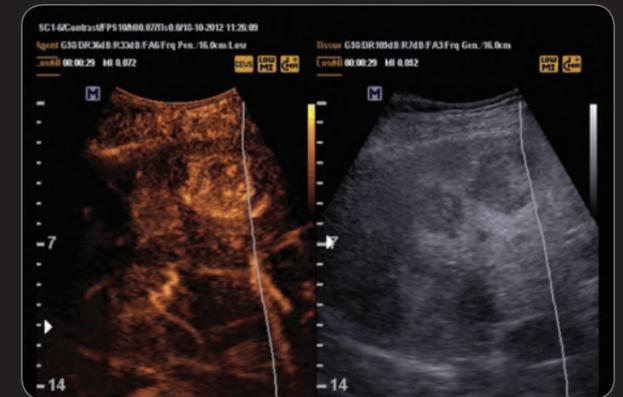
GB stones with 3D OVIX mode



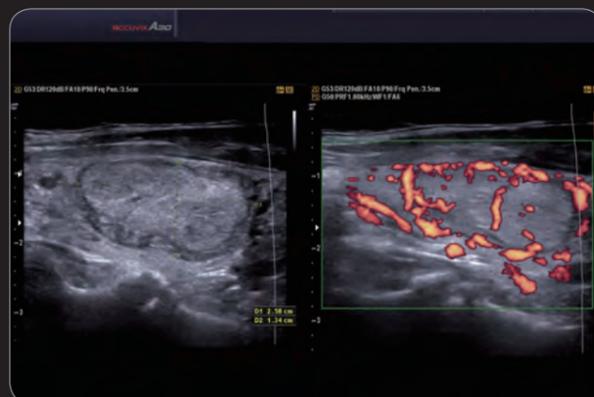
Gastrocnemius muscle of panoramic image



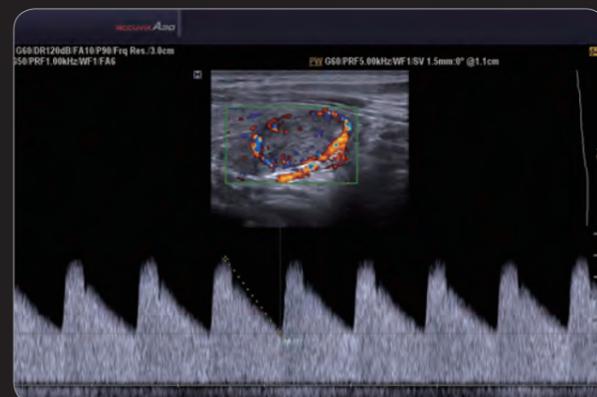
Calcific tendinopathy of Rotator cuff



Liver multiple masses



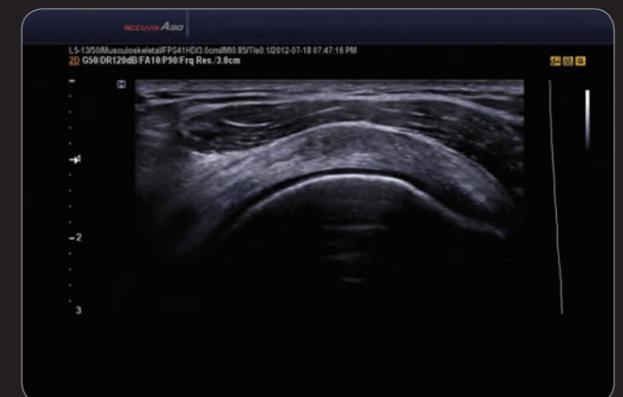
Thyroid adenoma dual image



Thyroid adenoma PW Doppler



Thyroid multiple cystic nodule in trapezoidal mode



Shoulder rotator cuff

# EASIER EXAMS THAN EVER

To ensure more comfortable and simplified testing environments, Samsung Medison developed proprietary technology that gives users more customizable controls and semi-automated settings that makes tasks and operations easier to manage. Features such as EZ Exam™ transform multiple steps into a streamlined process at the touch of a button. Advanced detection technologies and innovative measurement tools also semi-automate tasks and facilitate trouble-free operation.



## All-New User Interface

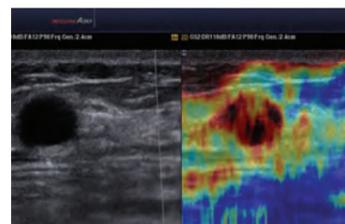
Improved options for preset semi-automation and modes make testing easier by reducing multiple tasks. Independent settings for user preset and basic preset also support simple operation.



New preset menu of transducer dialog

## ElastoScan™

Helping to identify early detection of lesions and various other diseases, ElastoScan™ provides clinical information that that are unattainable with conventional scans.



Breast of ElastoScan™

## EZ Exam™

EZ Exam™ transforms frequently used step-by-step exams into a single, streamlined procedure.



EZ Exam™ Designer mode

## ElastoScan™ ECI

ECI allowing users to acquire ElastoScan™ images without compression, Thyroid ElastoScan™ ECI has an index for detecting the possibility of nodules.





## UTILIZE TIME-SAVING TECHNOLOGIES

ACCUVIX A30 relies on cutting-edge technology and proprietary features that streamline imaging and procedures in order to save precious time and allow users to become more time-efficient. For instance, real-time DVD recording is a thoughtful function that enables simultaneous scanning and recording. The ACCUVIX A30 also has upgraded color technology, customizable preset ranges, and semi-automated imaging parameters that further maximize workflow efficiency.



### HD-ADVR™

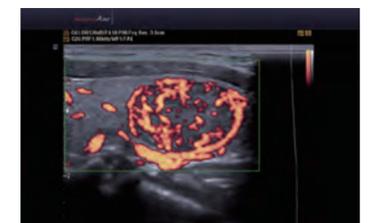
HD-ADVR™, integrated DVD (720x480) and USB (Full HD 1920 x 1080), permits simultaneous scanning and recording, creating an environment that allows users to revisit recorded areas.



Touch-screen menu of HD-ADVR™

### Color Opt Flow™

The exclusive color technology supports quick color image representations of blood flow. Upgrade includes the capability to change between slow, moderate and fast color speeds. The preset ranges allow faster evaluation of optimized blood flow images, depending on the application.



Thyroid adenoma with Color Opt Flow™

### QuickScan™

By enabling automatic optimization of key imaging parameters with the touch of a button, Quick Scan™ maximizes workflow efficiency.



Renal artery PW without QuickScan™



Renal artery PW with QuickScan™

# EMPLOY ERGONOMIC DESIGN

With mobility and easy access in mind, we made the ACCUVIX A30 to be easily transported, whether at bedside, private clinics or medical labs. The intuitive control panel can be adjusted easily to user's preference, and the monitor arm can move front to back as well as side-to-side. Our advanced ergonomic design lets medical experts focus on patients.



## Flexible Control Panel

Panel can be adjusted side-to-side and up-and-down for user comfort.

- Height: adjustable +180mm
- Rotation: 60°, adjustable +/- 30°

## Articulated Monitor Arm

The monitor's controls provide unprecedented flexibility and user comfort, adjusting both up and down and side to side for personalized performance.



- Height: adjustable +260mm (1415~1760 mm)
- Rotation: adjustable +/- 50° from center, others +/- 130° from center
- Tilt: adjustable +45°/-15° from center
- Front/Back: adjustable +339.4 mm

## Central Locking

Conveniently locked with foot controls.



# OPTIMIZED TRANSDUCER SET CONFIGURATION

## Curved Array Transducers

<b>CA2-8A</b>	<b>SC1-6</b>	<b>C2-6IC</b>	<b>CF4-9</b>
			
<ul style="list-style-type: none"> <li>•Application: Abdomen, Obstetrics, Gynecology</li> <li>•Field of View: 58°</li> </ul>	<ul style="list-style-type: none"> <li>•Application: Abdomen, Obstetrics, Gynecology, Contrast</li> <li>•Field of View: 60.01°</li> </ul>	<ul style="list-style-type: none"> <li>•Application: Abdomen, Obstetrics, Gynecology</li> <li>•Field of View: 58.12°</li> </ul>	<ul style="list-style-type: none"> <li>•Application: Vascular, Pediatric</li> <li>•Field of View: 92°</li> </ul>

## Volume Transducers

<b>V2-6</b>	<b>V4-8</b>	<b>V5-9</b>
		
<ul style="list-style-type: none"> <li>•Application: Abdomen, Obstetrics, Gynecology</li> <li>•Field of View: 87°</li> </ul>	<ul style="list-style-type: none"> <li>•Application: Abdomen, Obstetrics, Gynecology</li> <li>•Field of View: 76°</li> </ul>	<ul style="list-style-type: none"> <li>•Application: Obstetrics, Gynecology, Urology</li> <li>•Field of View: 150°</li> </ul>

## Linear Array Transducers

<b>LA3-16A</b>	<b>L5-13/50</b>	<b>L4-7</b>	<b>L5-13IS</b>
			
<ul style="list-style-type: none"> <li>•Application: Musculoskeletal, Small Parts, Vascular</li> <li>•Field of View: 40mm</li> </ul>	<ul style="list-style-type: none"> <li>•Application: Musculoskeletal, Small Parts, Vascular</li> <li>•Field of View: 50mm</li> </ul>	<ul style="list-style-type: none"> <li>•Application: Abdomen, Musculoskeletal, Small Parts, Vascular</li> <li>•Field of View: 50mm</li> </ul>	<ul style="list-style-type: none"> <li>•Application: Musculoskeletal, Small Parts, Vascular</li> <li>•Field of View: 40mm</li> </ul>

## Endo-Cavity Transducers

<b>EC4-9IS</b>	<b>VR5-9</b>
	
<ul style="list-style-type: none"> <li>•Application: Obstetrics, Gynecology, Urology</li> <li>•Field of View: 148.9°</li> </ul>	<ul style="list-style-type: none"> <li>•Application: Obstetrics, Gynecology, Urology</li> <li>•Field of View: 150°</li> </ul>

## Phased Array Transducer

<b>P2-4BA</b>

<ul style="list-style-type: none"> <li>•Application: Abdomen, Cardiac, TCD</li> <li>•Field of View: 90°</li> </ul>

<b>L7-16IS</b>	<b>LS6-15</b>
	
<ul style="list-style-type: none"> <li>•Application: Musculoskeletal, Small Parts, Vascular</li> <li>•Field of View: 40mm</li> </ul>	<ul style="list-style-type: none"> <li>•Application: Superficial Musculoskeletal</li> <li>•Field of View: 25.6mm</li> </ul>

## CW Pencil Type Transducers

<b>CW2.0</b>	<b>CW4.0</b>	<b>CW6.0</b>
		
<ul style="list-style-type: none"> <li>•Application: Cardiac</li> </ul>	<ul style="list-style-type: none"> <li>•Application: Cardiac</li> </ul>	<ul style="list-style-type: none"> <li>•Application: Vascular, Cardiac</li> </ul>