

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.

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**ACCUVIX A30**  
Leading the New Standards

CT-A30-GI-CWW-0210-EN

# Experience Unrivaled Performance



As the pioneer in ultrasound and imaging, Samsung Medison sets global standards in ultrasound systems. We focus on innovations that support more accurate, easier and effortless diagnosis. Our new Accuvix A30 system establishes new benchmarks in operational convenience with features such as the proprietary EZ Exam™ and ElastoScan™. Furthermore, the Accuvix A30 offers world's first 21.5-inch LED monitor enriched 3D performance, increased detection rates, advanced automation, customizable interface and forward-looking ergonomic design.

## **More Accurate Images**

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

## **Easier Operation**

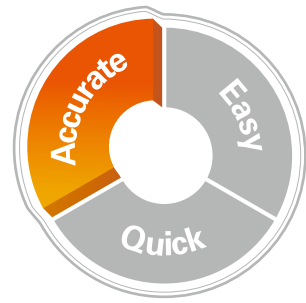
Extensive automation, intuitive controls and ergonomic design empower users to provide higher-level care.

## **Quick Access**

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



# Acquire Superior Scans



Utilizing the world's first full HD LED monitor, powerful engine capabilities, cutting-edge color representations and specialized probes, Samsung Medison's smart technology showcases top-quality 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, more detailed scanning with a higher energy output.

## 21.5-Inch Full HD LED Monitor

With the release of the world's first 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.

## Enhanced DPDI

An innovative color Doppler with greater sensitivity, enhanced DPDI can detect peripheral blood vessels. Its advanced Doppler enables accurate diagnosis when color detection is especially difficult.



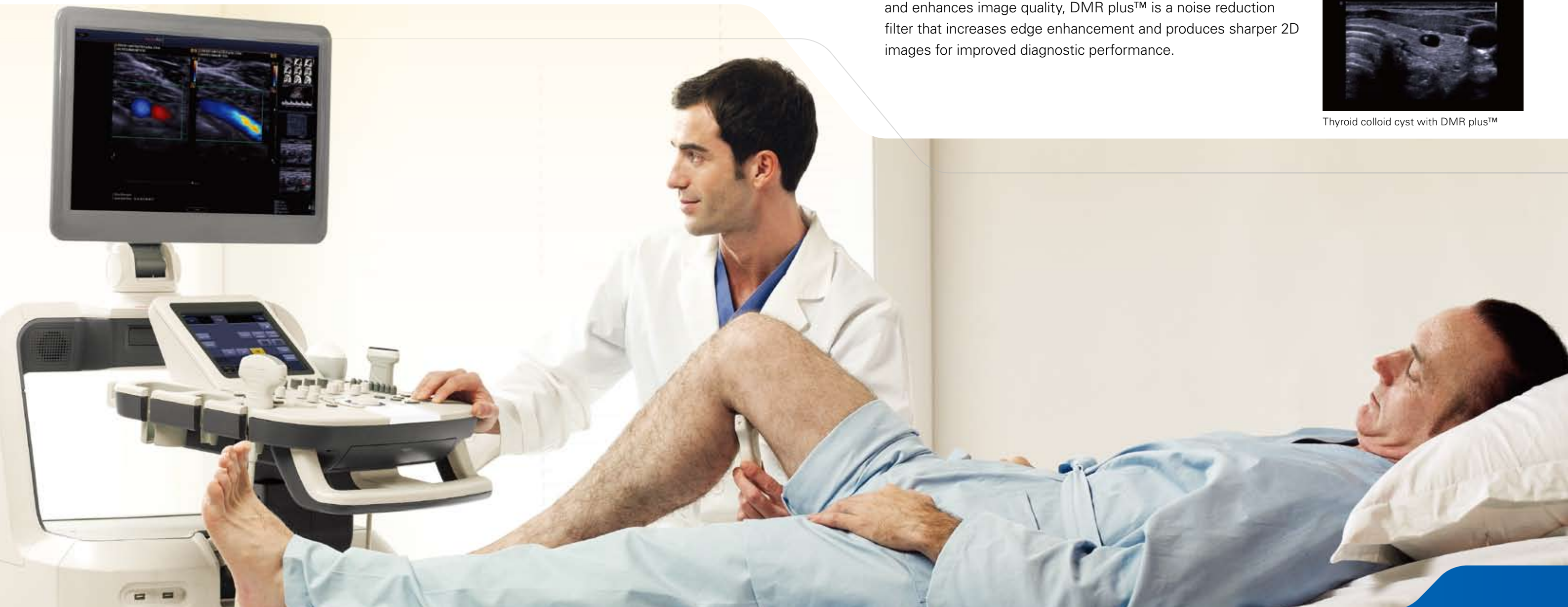
Renal vessels of DPDI

## DMR plus™

With a completely new engine that integrates Samsung software and enhances image quality, DMR plus™ is a noise reduction filter that increases edge enhancement and produces sharper 2D images for improved diagnostic performance.



Thyroid colloid cyst with DMR plus™



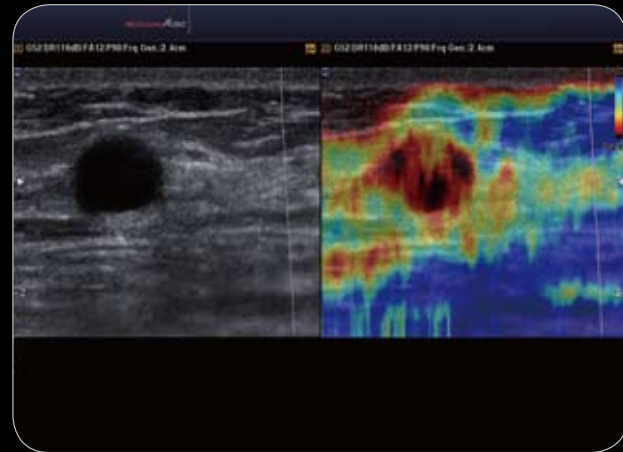


# Achieve Enhanced Image

Our state-of-the-art diagnostic systems rely on innovative technologies to enhance ultrasound Image. Thanks to improved and sharper contrast resolution, images are of higher quality and can be more quickly recognized. With advanced imaging construction, the Accuvix A30 improves efficiency in imaging under all possible conditions.



Achilles tendon



Breast ElastScan™



Renal vessels of DPDI



Liver with 3D inversion mode



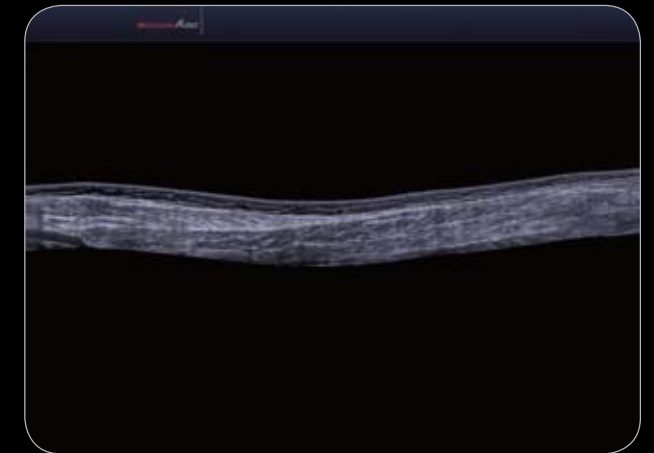
GB stones with 3D OVIX mode



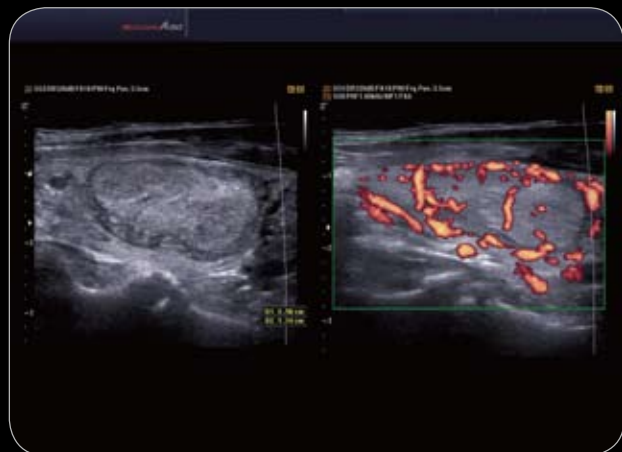
CCA Auto IMT



Calcific tendinopathy of Rotator cuff



Gastrocnemius muscle of panoramic image



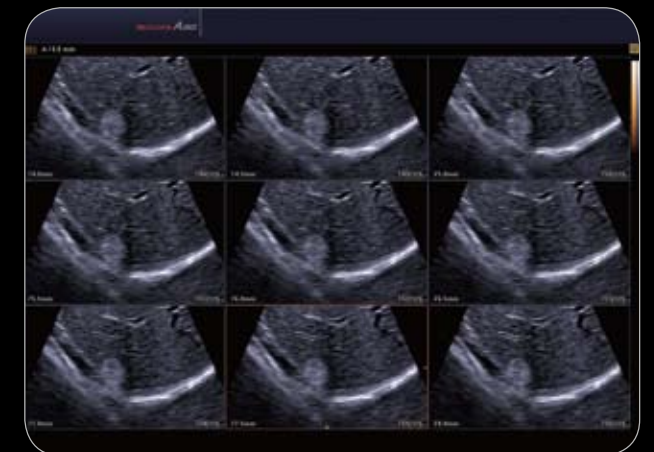
Thyroid adenoma dual image



Thyroid adenoma PW Doppler



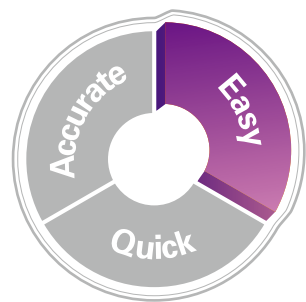
Thyroid multiple cystic nodule in trapezoidal mode



Liver Hemangioma with 3D MSV



# Easier Exams Than Ever



To ensure more comfortable and simplified testing environments, Samsung Medison developed proprietary technology that gives users more customizable controls and automated settings while making 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 automate tasks and facilitate trouble-free operation. We are committed to R&D that simplifies operations and makes diagnoses easier.

## EZ Exam™

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



EZ Exam™ Designer mode



Ez Exam™ screen in liver exam

## All-New User Interface

Improved options for preset automation and modes make exam easier by reducing multiple tasks. Independent settings for User Preset and Basic Preset also support easier operation.



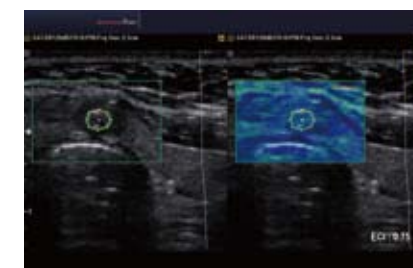
New preset menu of probe dialog

## ElastoScan™

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

### Thyroid ElastoScan™

Allowing users to acquire ElastoScan™ images without compression, Thyroid ElastoScan™ has a quantification index for determining the possibility of malignant nodules.



Thyroid ithmus adenoma ElastoScan™ with ECI

# 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 functionality that enables simultaneous scanning and recording. The Accuvix A30 also has upgraded color technology and customizable preset ranges, as well as automated imaging parameters that further maximize workflow efficiency.

## ADVR™

Integrated real-time DVD recording, ADVR™ enables simultaneous scanning and recording, and allows users to choose desired recording areas.



Touch-screen menu of 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 for 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, QuickScan™ 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; one of the main features of the system, the central lock allows quick and easy control of mobility. The intuitive control panel can be adjusted easily to user's preference, and the monitor arm can make front-back as well as side-to-side movements. Our advanced ergonomic design lets medical experts focus on patients.



**Flexible controls**  
Panel adjusts side-to-side and up-and-down for user comfort.

**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.



**Central Locking**  
Conveniently locked with foot controls.



# Optimized Probe Set Configuration

## Volume Probes

V2-6



- Application: Abdomen, OB, Gynecology
- Center frequency: 3.15MHz
- Field of view: 87°

V4-8



- Application: Abdomen, OB, Gynecology
- Center frequency: 4.4MHz
- Field of view: 85°

V5-9



- Application: Gynecology, OB, Urology
- Center frequency: 6.5MHz
- Field of view: 150°

## Convex Probes

C2-6IC



- Application: Abdomen, OB, Gynecology
- Center frequency: 4.0MHz
- Field of view: 58.12°

C5-8



- Application: Pediatric, Vascular
- Center frequency: 6.5MHz
- Field of view: 92°

## Linear Probes

L4-7



- Application: Musculoskeletal, Deep vein, Vascular
- Center frequency: 5.15MHz
- Field of view: 44.16mm

L5-13IS



- Application: Musculoskeletal, Small Parts, Vascular
- Center frequency: 8.0MHz
- Field of view: 38.4mm

L7-16IS



- Application: Musculoskeletal, Small Parts, Vascular
- Center frequency: 12.0MHz
- Field of view: 38.4mm

## Endo Cavity Probes

EC4-9IS



- Application: Gynecology, OB, Urology
- Center frequency: 6.5MHz
- Field of view: 148.9°

VR5-9



- Application: Gynecology, OB, Urology
- Center frequency: 5.95MHz
- Field of view: 150.3°

## CW Pencil Type Probes

CW2.0



- Application: Cardiac
- Center frequency: 2.0MHz

CW4.0



- Application: Cardiac
- Center frequency: 4.0MHz

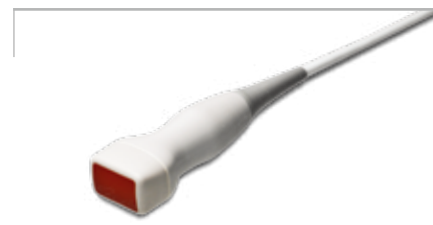
CW6.0



- Application: Vascular, Cardiac, Pediatric
- Center frequency: 6.0MHz

## Phased Array Probes

P2-4BA



- Application: Cardiac, Abdomen, TCD
- Center frequency: 2.7MHz
- Field of view: 90°