

# V7

## Performance Versatility

Ultrasound Solution for General Imaging

# SAMSUNG

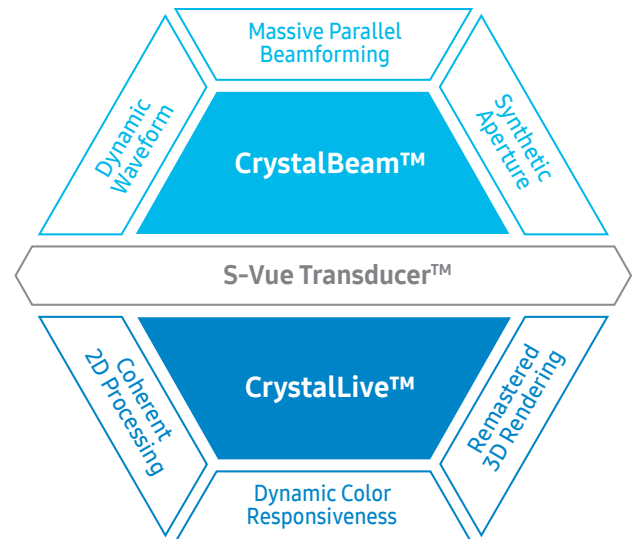
## Powered by Crystal Architecture™

Crystal Architecture is the core of our exceptional image clarity and penetration, built upon a combination of innovative beamforming (CrystalBeam™), sophisticated image processing (CrystalLive™) and advanced S-Vue Transducers™ to produce clear, uniform and high resolution images.

Crystal Architecture empowers ultrasound professionals with diagnostic confidence on even the most challenging of patients, returning attention to the individual patient and not excessive manipulation of controls.



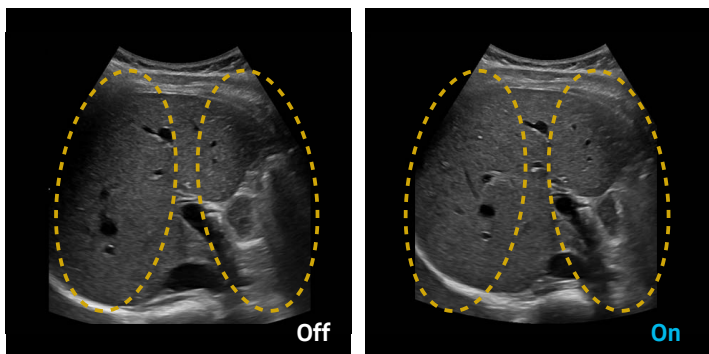
### Crystal Architecture™



Product Inquiry

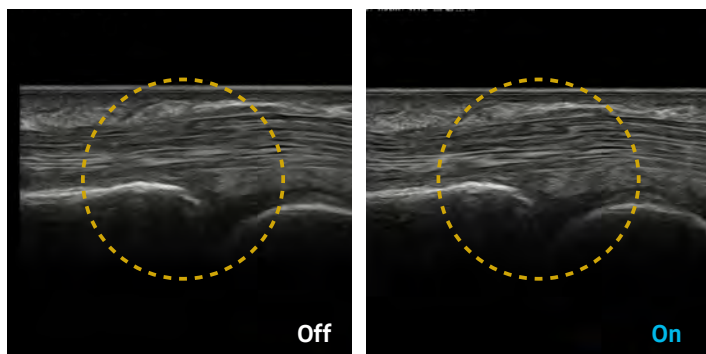
# Exquisite Imaging Quality for Reliability and Confidence

**ShadowHDR™** - is designed to suppress shadows and enhance the clarity of displayed grayscale images.



Liver with ShadowHDR Off and On

**HQ-Vision™** - compensates for the natural signal distortion as sound propagates through tissue to display maximum pixel sharpness.



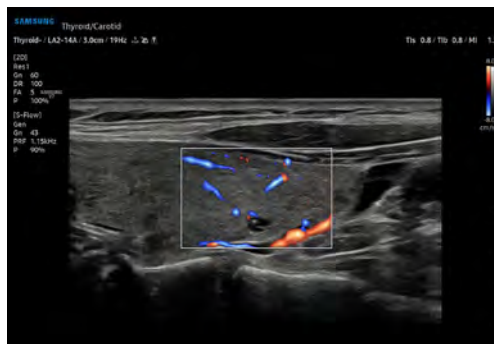
Finger with HQ-Vision Off and On

**ClearVision** - is an adaptive image optimization technology designed to suppress speckle artifact, sharpen tissue interfaces and enhance contrast resolution.



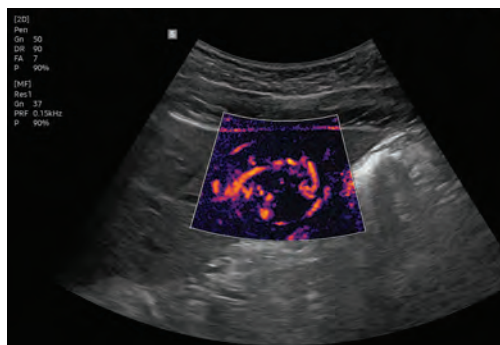
Liver using ClearVision

**S-Flow™** - is a highly sensitive directional power Doppler ideal for documentation of slow moving blood flow.



Thyroid using S-Flow

**MV-Flow™** - is an advanced Doppler technology providing detailed documentation of microvascular perfusion.



Abdomen using MV-Flow

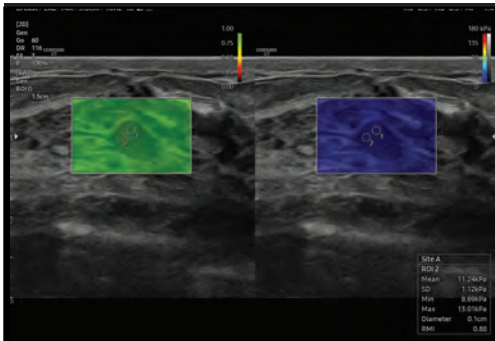
**LumiFlow™** - displays a three-dimensional "like" appearance to 2D color Doppler enhancing spatial comprehension of blood vessels.



Kidney using LumiFlow

# Smart Tools for General Imaging

**S-Shearwave Imaging™** - provides quantitative non-invasive assessment and documentation of tissue stiffness for breast, liver, MSK, and prostate.



Breast using S-Shearwave Imaging

**Strain+™** - is a quantitative tool for global and segmental wall motion of the left ventricle (LV).

**HeartAssist™** - is a semi-automatic measurement designed to recognize and quantify cardiac anatomy.

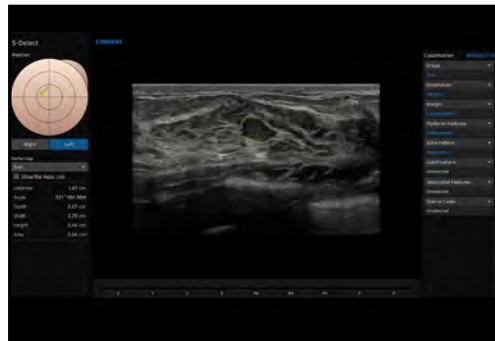
**NerveTrack™** - provides real-time detection of nerve location.



Brachial Plexus

**NerveTrack Segmentation™** - provides visual segmentation of anatomical structures in real time.

**S-Detect™ for Breast** - Performs detailed analysis of selected lesions providing standardized reporting for more comprehensive assessment of examinations while helping to streamline work flow.



Breast using S-Detect

**S-Detect™ for Thyroid** - Performs detailed analysis of selected thyroid lesions incorporating ATA guidelines to provide standardized reporting for more comprehensive assessment of thyroid examinations while helping to streamline work flow.

\*ATA: American Thyroid Association

**NeedleMate+™** - dramatically enhances needle visualization when performing a variety of intervention procedures.

**EzHRI™** - (Hepato Renal Index) is a semi-automated process to quantify liver steatosis by comparing echogenicity of liver parenchyma to renal cortex.

## QUS (Quantitative Ultrasound):

**TAI™** - (Tissue Attenuation Imaging) provides quantitative tissue attenuation measurement to assess steatotic liver changes.

**TSI™** - (Tissue Scatter Distribution Imaging) provides quantitative tissue scatter distribution measurement to assess steatotic liver changes.

## Comprehensive Selection of Transducers

### Curved Array:

\*CA1-7S, \*CA3-10A, CA4-10M

### Linear Array:

\*LA2-14A, LA3-22AI, \*LA2-9S, LA2-16S, LA4-18AD, L3-22

### Phased Array:

\*PA1-5AE, PA3-8B, PA4-12B

### Endocavity:

EA2-11AR, EA2-11AV, miniER7

### Bi-plane Endocavity:

BCL2-14

### Volume:

\*CV1-8AD, EV2-10A

### CW:

DP2B, CW6.0

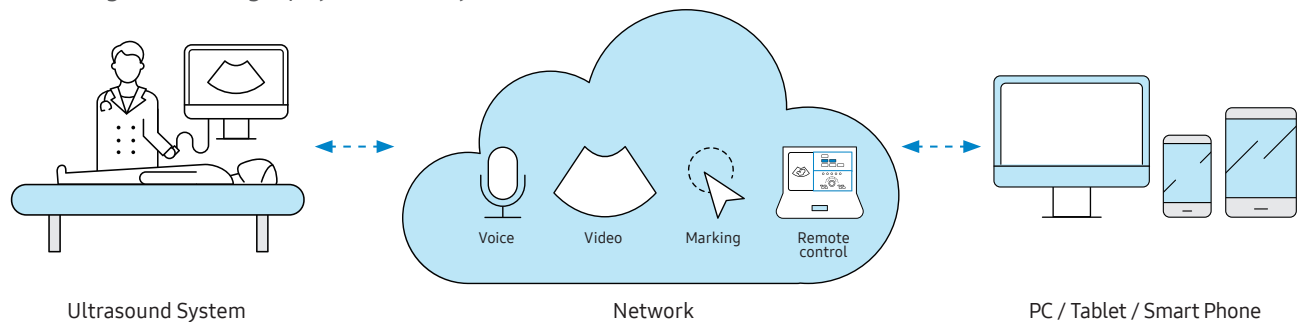
### TEE:

MMPT3-7, TA2-9

\*S-Vue™ - single crystal design of our S-Vue transducers provide wider frequency bandwidths that enable better penetration and higher quality resolution, even on challenging patients.

## Work together in Real-Time from Anywhere

SonoSync™ is a real-time ultrasound image sharing solution that allows voice communication and remote controllability for effective collaboration between physicians and sonographers at different locations. In addition, SonoSync™ has several other elegant features like marking, invitation, still image sharing, multi-user, and multi-view. SonoSync™ brings teleultrasonography into reality.



\*SonoSync™ is an image sharing solution & not for diagnostic use

## Secure your care

Samsung Healthcare Cybersecurity



### Intrusion Prevention

Security tools (Anti-virus & Firewall)  
Windows 10



### Access Control

Account management  
Audit log



### Data Protection

Data encryption  
EMR/DICOM Secure Transmission

**SAMSUNG**

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