# ES-R700

Ultrasound System

PureWave Single Crystal & XCen probes offer wider bandwidths for penetration & clarity

- Improved conversion efficiency
- Improved axial resolution
- Improved sensitivity for deeper structure and clearer imaging

Reak-tine Adaptive De-noising (RAD)
Effectively suppress noise/speckle artifacts and sharpens the tissue interfaces/contours, significantly enhancing the contrast resolution
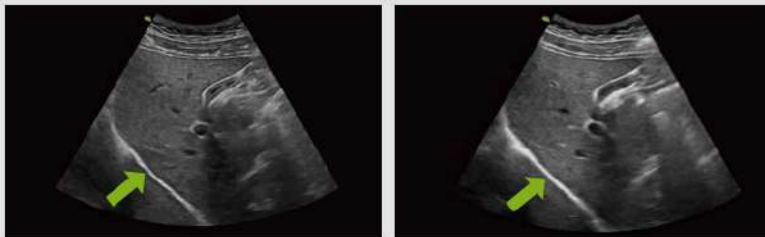
Dynamic Signal Enhancement (DSE)
Improves both penetration and lateral resolution, delivering detail with extraordinary clarity

Doppler Vector Projection (DVP)
Innovative Color Doppler signal processing that differentiates the 3 dimensional nature of blood flow, projects it on 2 dimensional display; amplifying the hemodynamics

3D HQ Grad showing fetal ear

Myoma of uterus 2D

Apical 4 Chamber

Fetal thoraco-abdominal vessels

Hepatic and Portal Vein in Liver

Thyroid

General Imaging Solutions:
VShear (2D Shear Wave Elastography Imaging)
A non-invasive assessment of tissue stiffness in various application. The color-coded elastogram, quantitative measurements, and user-selectable ROI functions are especially useful for accurate diagnosis of Breast, Liver, MSK, Thyroid diseases.

CBI (Contrast Bubble Imaging)
CEUS provides real-time assessment of blood flow and enhances diagnostic accuracy, aiding in the characterization of lesions, evaluation of organ perfusion, and guiding interventions
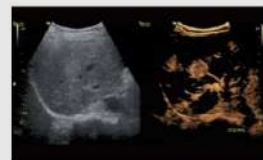
VAid Liver
An automatic detection of focal and diffuse diseases of liver in real-time or on stored images and displays quantitative analysis of the lesion

VAid Thyroid
Thyroid nodule are detected in real-time or on stored iages, together with TI-RADS categorization and reporting tool, making clinical routine of thyroid ultrasound more accurate and productive.


VFlow
A directional technology, helps to detect low velocity blood flow. It enables accurate diagnosis when the blood flow examination is especially difficult

Cardiovascular Solutions:
Multi Doppler
The combination of TDI and PW allows simultaneous evaluation of wall motion, asynchronies and hemodynamics, with up to 4 sample gates for vascular and 2 sample gates for cardiac on same cardiac cycle, enabling faster and accurate measurement of LV diastolic dysfunction, asynchronies, etc. Using the combination of PW/PW, PW/TDI, TDI/TDI
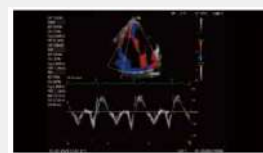
Strain Imaging
Apical 4 Chamber view showing segmental and global longitudinal strain of left ventricle
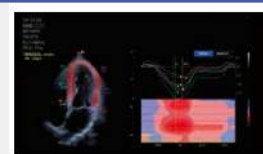
Live IMT (Intima Media Thickness)
Real time and auto measurement of both anterior and posterior wall

**Tissue Doppler (TD)**
Tissue Doppler of Tricuspid lateral annulus.

AMAS (Automatic Measurement of Arterial Stiffness) & PWV
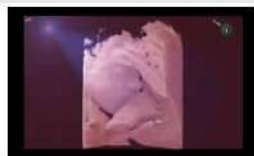Quantittative tools for arterial stiffness assessment, useful to detect artriosclerosis at an early stage

Carotid-Femoral Pulse Wave Velocity is measured and displayed

Pulse Wave Velocity tools, detects and tracks the anterio and posterior intima-media complex to measure Pulse Wave Velocity
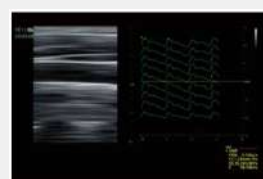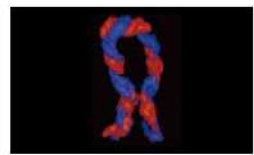
Women's Health Solutions

Light Lab
A new 3D rendering technology that allows user to customise the positionand direction of the virtual light sources,whichdisplays the internal structuredetails more clearly and enhances the three dimensional perception

Color 3D
Color3D applies advanced acquisition and rendering technology to provide improved visualization and structure expression helps users better understand natural hemodynamics of vascular networks, like umbilical cord and fetal heart

VAid Breast
Automatic breast screening and lesion detection in real-time or stored images, along with the smart BI-RADS analysis, effectively improves quality control

VAim Follicle
One-touch auto measurement and dispaly of follicles.

VAim OB
One-touch auto recognition and measurement of fetal biometry
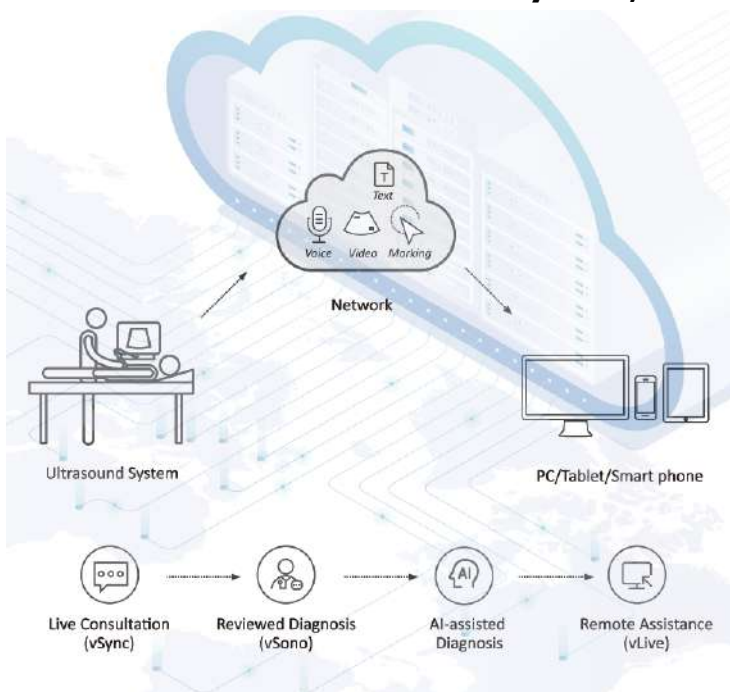
VAim Pelvic
Levator Ani and urethral dimensions are automatically measured and displayed using VAim Pelvic
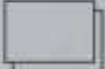
VAim Hip
One-touch automatically measures the alpha, beta angles of neonatal hip structrures and Graf classification

Connect anytime, from anywhere, at any terminal

Flyinsono is the pioneer of Remote Ultrasound Imaging Solution. Endoresed by Cloud technology, Flyinsono can realize Remote Consultation, Intelligent Diagnosis, Remote Quality Control, Online Training, Remote SErvice, Academic Seminars, etc.
Flyinsono breaks down geographical, traffic and personnel barriers, and provides real-time or time-sharing services to remote medical facilities. Especially with the AI-based diagnostic tools, physicians can significantly improve their diagnostic efficiency and accuracy.

1	**23.8"** large monitor
2	Tiltable **15.6"** touch screen
3	Endocavity probe holder
4	In-built gel warmer
5	Built-in battery for 60-minute continuous scanning
6	Height and direction adjustable console
7	5 active ports

Swiss Certified
ISO 9001
CERTIFIED SYSTEM
IQS
ISO 13485