CHISON

Value Beyond Imaging



# SonoBook™ 9

Fast• Precise• Cutting-edge

Auto-ambient adjustment

WIFI

Green

SSD

Instant



WWW.CHISON.COM



# Never compromise **performance**

# For portability

- ✓ *What if* a compact system could be so intuitive that it can be operated without a manual?
- ✓ *What if* a compact system could respond instantly between different modes?
- ✓ *What if* a compact system could operate for an entire work day with only one battery charge?
- ✓ *What if* a compact system could weigh as little as 5.4kg?
- ✓ *What if* a compact system could detect ultra-slow velocity < 2cm/s on tiny vessels , and also not miss the high velocity > 40m/s on cardiac?
- ✓ *What if* a compact system could image superficial tissues within 2mm and achieve more than 30cm of depth clearly on a 250 lbs difficult patient?

**SonoBook™ 9** is the answer.



## Cardiovascular

- Instant response.
- Innovative transducer technologies are used for extraordinary cardiac performance.
- Comprehensive cardiac measurement packages: Stress Echo, Auto IMT, Semi-automatic Simpson measurement, PISA, and etc.
- User-definable cardiac measurement workflow.
- Comprehensive range of probes for cardiac scanning: TEE, Pencil & Phased array.



## Radiology

- Versatile probe range covering 1.5 MHz-23 MHz.
- Efficient workflow to meet different environment.
- Real-time curved panoramic imaging.
- Advanced technologies: Q-beam, Q-flow, Q-image, FHI, X-contrast.
- Extraordinary performance for easy diagnosis.
- Probes: Convex, Linear, Transvaginal, Transrectal, Micro-Convex, etc.



## Women's Healthcare

- Auto-trace measurement for breast lesions and follicles.
- Quantitative elastography analysis for breast.
- IVF procedures: Multiple follicles report, dedicated EPU kit.
- Auto NT measurement, 4D, virtual HD, depth view for OB, etc.
- Multi-slice imaging for detailed diagnosis of fetal defections.
- Probes: Convex, 4D, Linear, Wide angle transvaginal (up to 210°), High density probe.



## Anaesthesia

- Superior anesthesia performance.
- Super Needle visualize the needle better without degrading the image.
- 2D steer.
- Multi zoom function for tiny structures, full screen to enlarge the image area.
- Probe: 192 elements linear, 23MHz high frequency probe, Button-probe,Single crystal



## Critical Care

- Truly portable design < 5.4kg.
- Fast and reliable performance.
- Dedicated process for ICU purpose.
- Triple probe connector and precision cart (Option).
- Instant response.
- Excellent battery life, up to 2 hours of continuous use in active mode, up to 1 week in standby mode.
- Probe: Phased array, Convex, Linear, Micro-Convex, Button-probe,Single crystal



## Emergency

- Fast boot-up.
- Longer battery life up to 2 hours active mode, fast battery swap.
- Auto-ambient adjustment according to indoor and outdoor environment.
- Durable & Robust design for challenging environment.
- Probe: Phased array, Linear, TV, Button-probe,Single crystal
- Built-in FAST preset.
- Wifi-compatible.

# Small Outside



## Ultra

- Ultra-Light < 5.4kg (with battery)
- Ultra-Slim
- Ultra-compact
- Ultra-deep penetration > 30cm
- Ultra-superficial observation < 2mm
- Ultra-slow velocity detection < 2cm/s
- Ultra-high velocity detection > 40m/s (probe-dependent)



SonoDocking (DVI-I, Foot-Switch, Video-Out, remote, S-Video)

## Faster

- Boot up around 1min
- Shut down < 12s
- Still image and cine can be saved in 1s
- Instant switch between different modes & measurements



Anti-theft lock

Accessory basket

Printer socket

## Wider

- Versatile solutions: Cardiovascular, Radiology, Internal Medicine, Small Parts, General Imaging, Vascular, Intensive care, Emergency, MSK, ICU
- Supports 21 kinds of probes
- Covering 1.5 MHz- 23 MHz frequency range
- 192 elements high density probe
- Intra-operational probe (available)
- TEE probe (available)
- Innovative probe (available)
- Large Storage Size (10 thousands of images and cines)



SonoTriple Connector

Pneumatic height adjustment

Small footprint

# Huge Inside




## More Connectable

- Intelligent patients'data management
- SonoDocking: DVI-I, Foot-Switch, Video-Out, remote, S-Video
- USB3.0
- Wifi-Compatible
- DICOM: Structure report, worklist, storage, print

## Smarter

- AIO (Automatic Image Optimization for B mode & D mode)
- Auto Measurement: Auto IMT, Auto NT, Auto -trace for PW, Auto-trace for follicles and breast lesions
- User-defined workflow
- Auto-ambient adjustment tailor to indoor & outdoor uses

## Greener

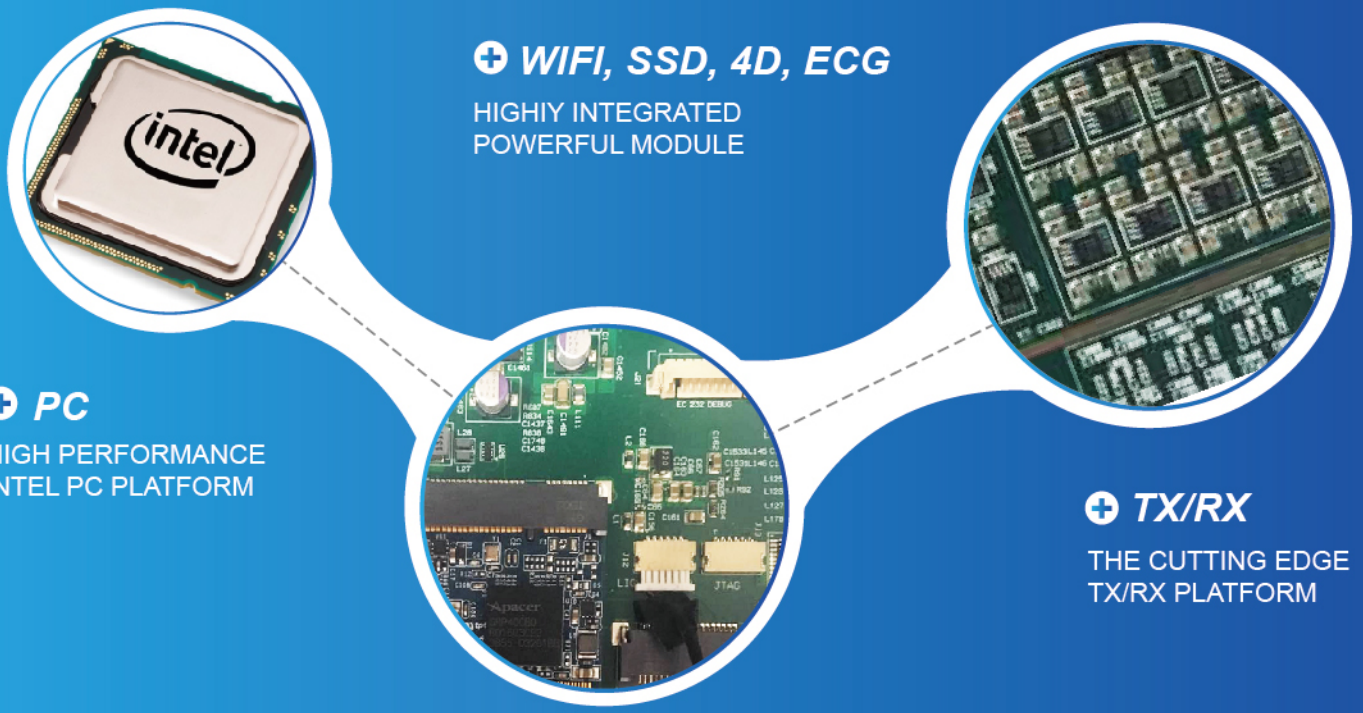
- SSD for lower power consumption
- Standby mode to save energy
- Auto-ambient adjustment to save battery life
- Low heat and noise design
- Up to 1 week battery life in standby mode
- Up to 2 hours of continuous use in active mode





Multipurpose suitcase: either as your backpack, or as carrying case.

# High-Performance Architecture




**PC**

HIGH PERFORMANCE
INTEL PC PLATFORM

**WIFI, SSD, 4D, ECG**

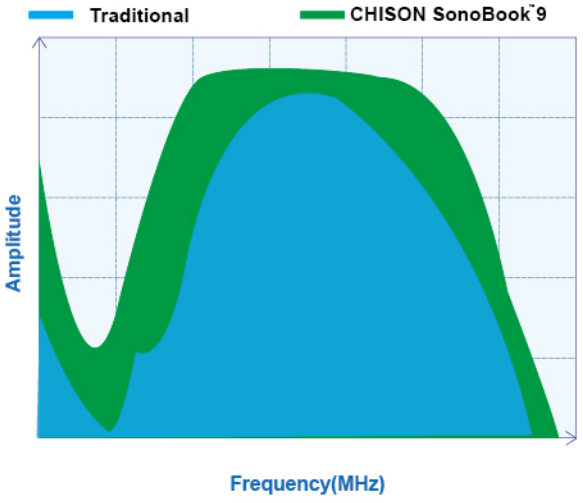
HIGHIY INTEGRATED
POWERFUL MODULE

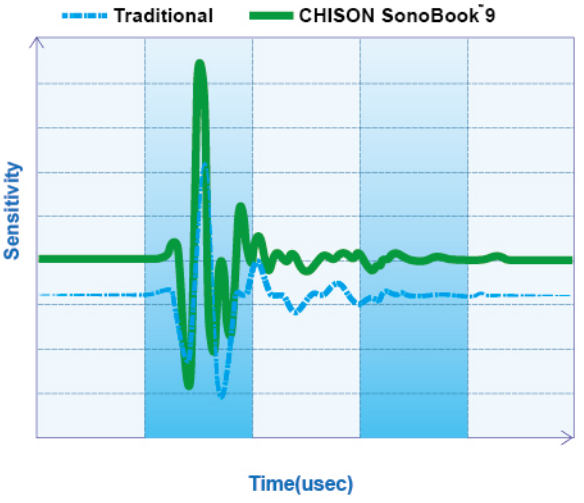
**TX/RX**

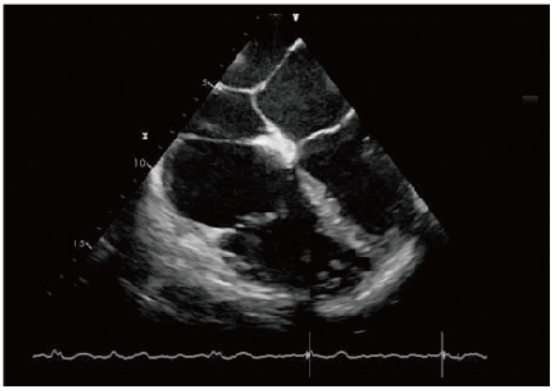
THE CUTTING EDGE
TX/RX PLATFORM

# Innovative Transducer Technologies

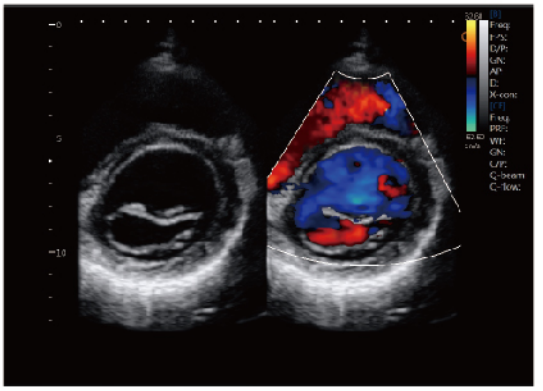
SonoBook™9 uses the latest advances in transducer technology, which has wider bandwidth, higher sensitivity and better signal-noise ratio, providing superb anatomic details to users, delivering excellent resolution and penetration, especially during difficult-patient scanning.



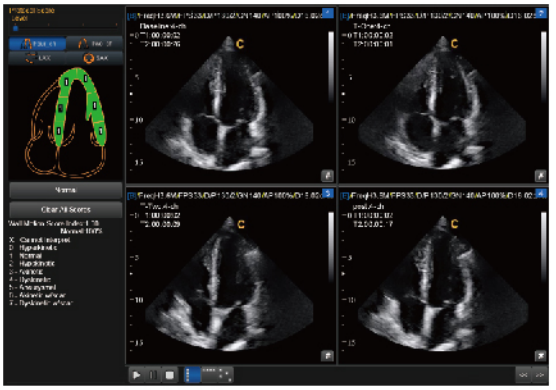





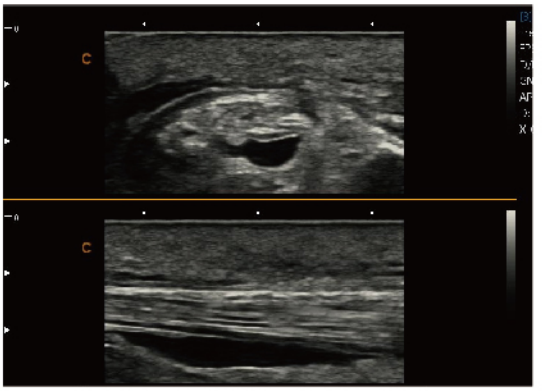
Cardiac, TEE



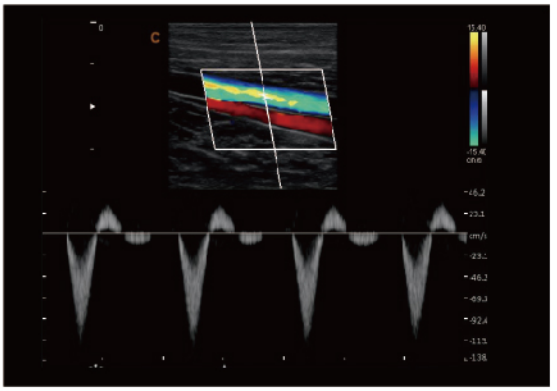
Short axis of mitral valve, B/BC Mode



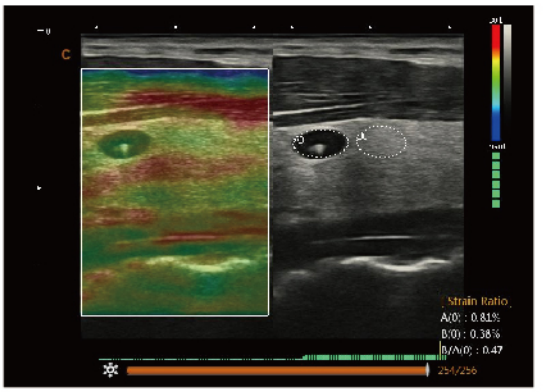
Stress Echo



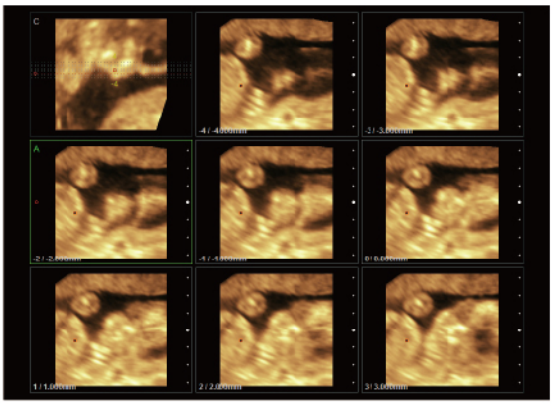
MSK, 2B Mode



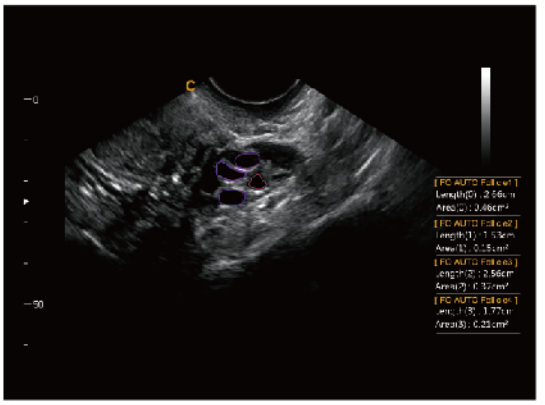
Popliteal Artery, PW mode




Thyroid nodule, Elastography



Fetal profile, 4D Multi-slice, 24 weeks



Auto-trace follicle measurement



2.0MHz-6.8MHz
Convex
C3-V



4.0MHz-15.0MHz
Linear
L7-V



7.0MHz-18.0MHz
Linear
L12-V



4.0MHz-15.0MHz
Linear
L8M-V



5.0MHz-14.0MHz
Linear
L8M5-V



6.0MHz-16.0MHz
Linear
L10i-V



11.0MHz-23.0MHz
Linear
L18-V



4.0MHz-15.0MHz
Linear
L7SVA-V



1.5MHz-5.3MHz
Phased array
P2-V



2.0MHz-8.0MHz
Phased array
P5-V



4.0MHz-6.0MHz
TEE(Adult)
T5-V



2.0MHz
Pencil
CW2-V



4.0MHz-12.0MHz
Transvaginal
E6-V



4.0MHz-15.0MHz
Transvaginal
E7W-V



4.0MHz-15.0MHz
Trans-Rectal
R7-V



4.0MHz-15.0MHz
Transvaginal
E7MW-V



2.0MHz-6.8MHz
Micro-Convex
MC3-V



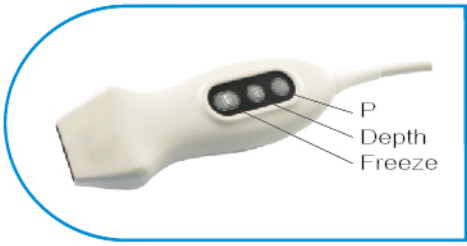
4.0MHz-12.0MHz
Micro-Convex
MC6-V



2.5MHz-6.8MHz
Volume
VC4-V



4.0MHz-15.0MHz
Linear
L12b-V




## Button-probe

- Remote control of the system through probe buttons, free your left hand for other important work.
- Program the **P** button, for simple, fast and precise use.
- Provide immediate image refinement with one click.
- Easy control & easy hold.

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