

# Aurison Ultra

## Portable Ultrasound System



# Aurison Ultra

Full Digital Colour Doppler  
Ultrasound System



## AI-Powered Imaging, Uncompromised Portability.

Revolutionize point-of-care imaging with our AI Image Modification Technology – dynamically enhancing resolution and optimizing clarity in real time via the Aurison AI engine.

This full digital colour Doppler system features a brilliant 11.2–12.4" 3K display in a streamlined 1.2kg frame. Seamlessly swap transducers (common + volume probes) for versatile applications.

With 2+ hours of cordless operation or 24/7 plug-in use, experience diagnostic confidence anywhere. Redefine portability without sacrificing performance.





# Clinical Gallery

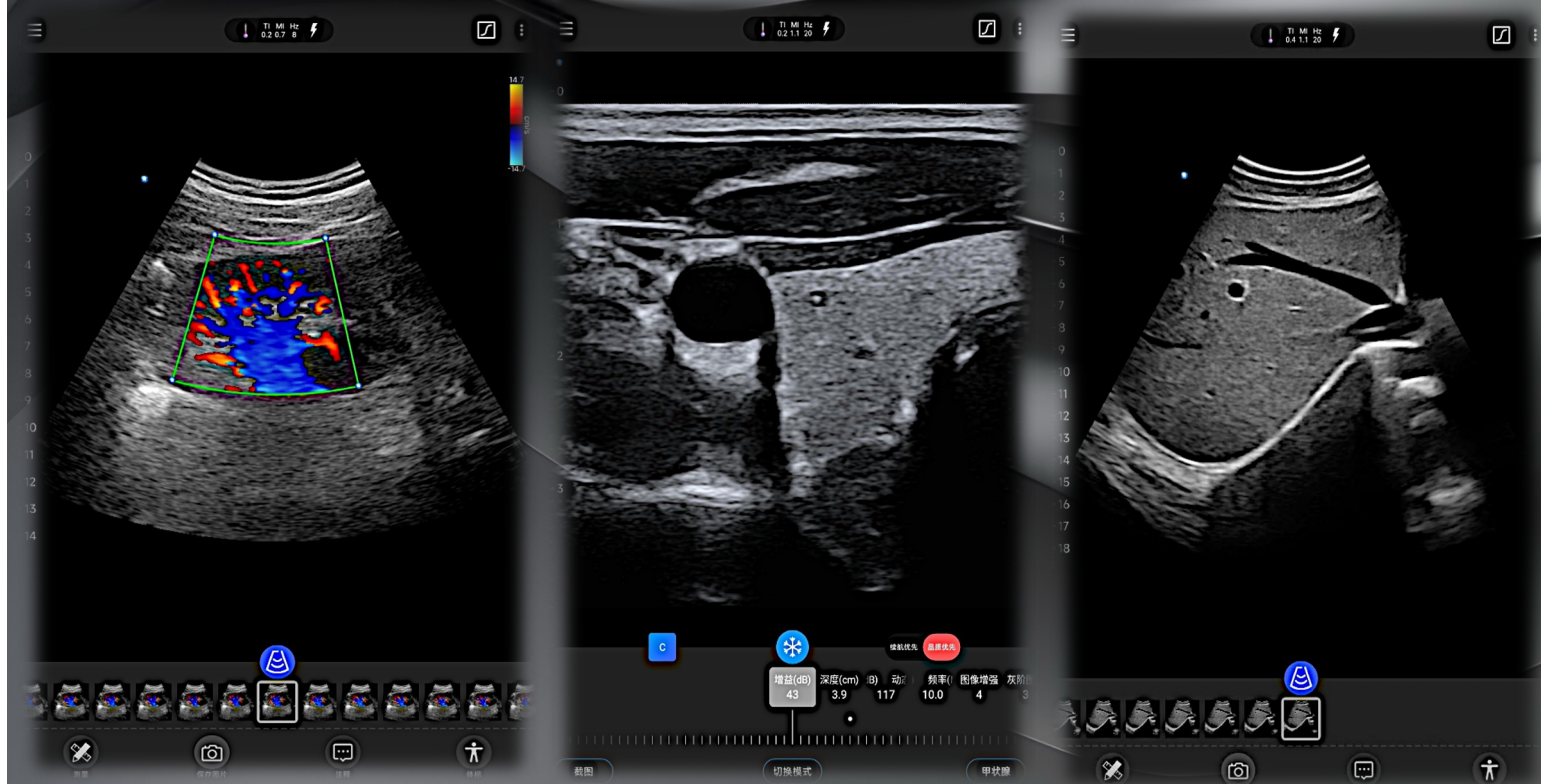
Powered by Deep Learning Reconstruction and AI-Powered Beamforming technology, the Aurison Ultra delivers high-quality images with excellent resolution, enabling clinicians to make confident decisions at the bedside.



Color Mode

Power Doppler Mode

Auto-Calculation



Renal Blood Flow

Thyroid

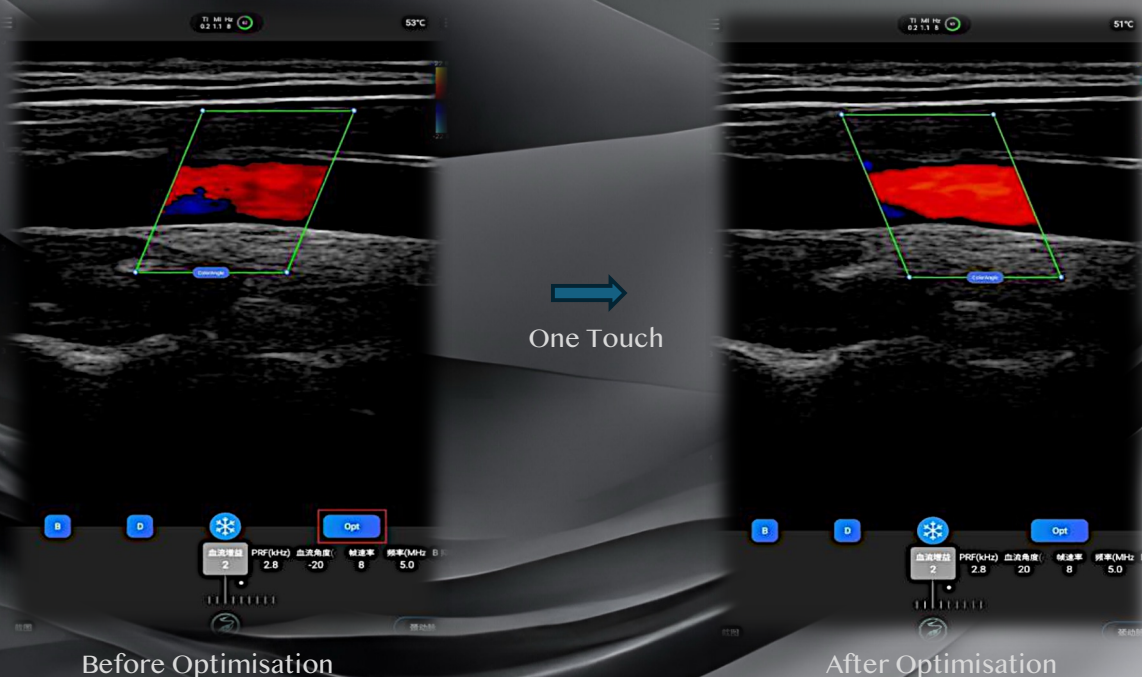
Liver



# AI Image Modification Technology

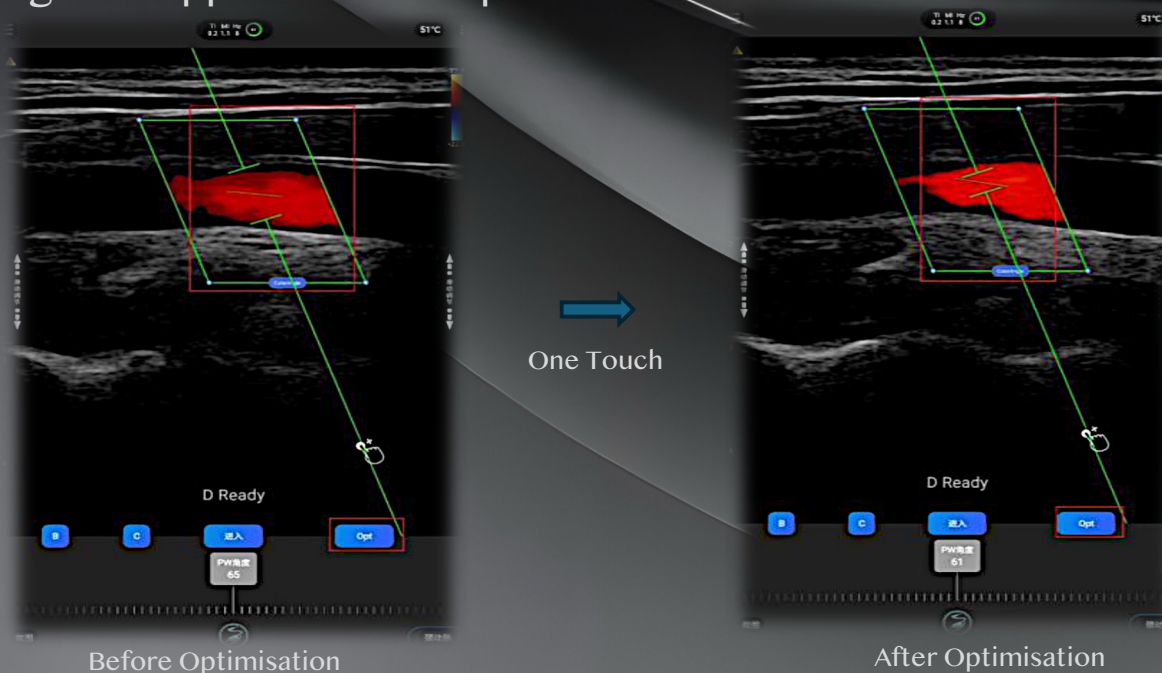
Experience enhanced ultrasound imaging with Aurison Ultra. Our AI Image optimisation engine boost image quality, delivering crystal-clear, optimised visuals for confident diagnosis, powered by intelligent AI.

## One Touch Blood Flow Analysis



Auto-aligns angle and position for optimal flow visualization after B-mode vessel placement. If anatomy shifts, the one-click 'Opt' button instantly recalculates the best settings, eliminating manual adjustments and ensuring optimal flow state.

## Intelligent Doppler Made Simple



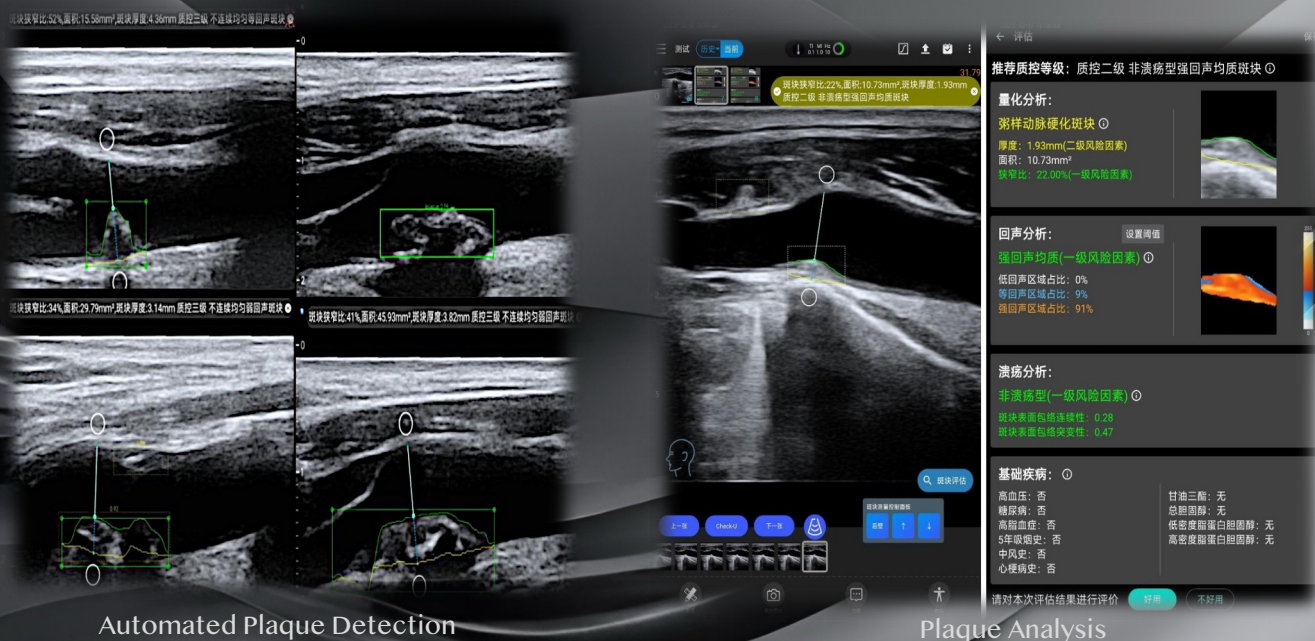
Automatically optimizes angle, gate position, and steer angle upon entry. If anatomy shifts, the one-click 'Opt' button instantly recalculates optimal settings for accurate velocity measurement, eliminating complex manual adjustments.



# Instant AI Diagnosis

The Aurison AI Auto Diagnostic engine automatically flags potential pathologies with medical evidence support. Gain real-time, AI-driven insights for faster detection and enhanced diagnostic accuracy during examinations.

## AI Vascular Plaque Intelligence

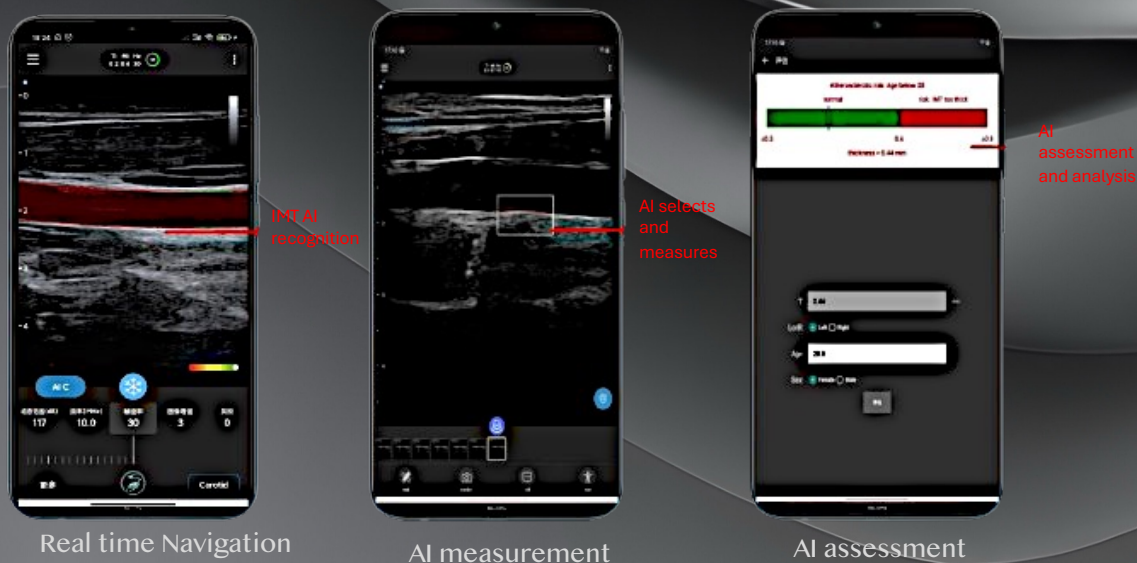


Automated Plaque Detection

Plaque Analysis

Identifies elusive plaques automatically. Uniquely integrates imaging, biochemical & clinical data with AI for guideline-based risk grading, providing critical decision support for timely intervention.

## Advanced AI Carotid IMT Analysis



Real time Navigation

AI measurement

AI assessment

Real-time identification during scanning ensures no thickened areas are missed. Automatically measures all IMTs in the loop, pinpointing the true maximum thickness. AI then evaluates risk using age, gender & side-specific data for precise, experience-independent assessment.



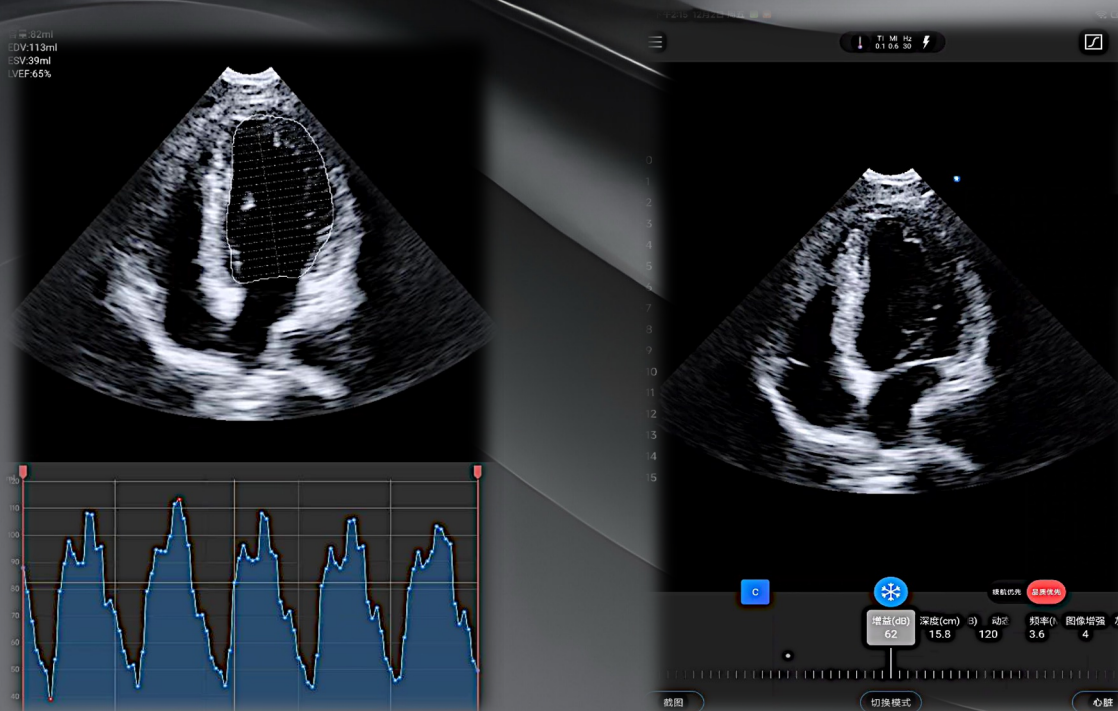
# Automate Tissue Analysis with Aurison Ultra

Our AI Auto Tissue System instantly detects and measures anatomical structures with medical-grade accuracy. Backed by evidence-based algorithms, it delivers standardized, reliable results—reducing variability and enhancing diagnostic confidence at the point of care

## AI Fat and muscle layer automatic recognition



## AI-Powered Cardiac Assessment



Automates LVEF measurement by analyzing continuous heartbeats. Delivers rapid, accurate ejection fraction results—empowering frontline clinicians to efficiently screen for cardiac dysfunction and accelerate triage of at-risk patients.

# Advanced Composite Wideband Transducers

Engineered with high-density composite materials and advanced electronic scanning technology, Aurison Ultra's transducers deliver exceptional far-field image clarity and penetration depth. This proprietary design simultaneously minimizes acoustic noise and signal interference, ensuring superior diagnostic precision across all clinical applications.

## Transducers

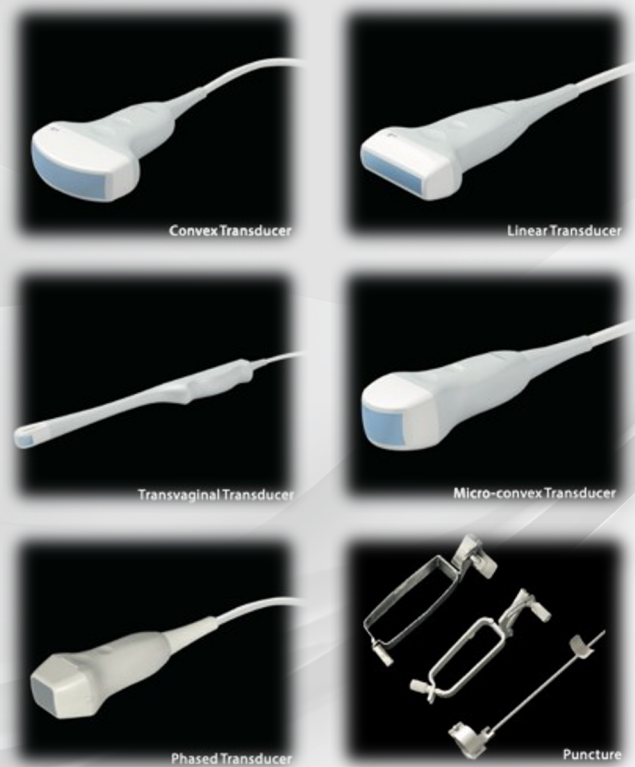
C-C2-5 Convex Probe  
C-L4-12 Linear Probe  
C-2-5 Phased array Probe  
C-C4-12 Micro-convex Probe  
C-L6-14 High frequency linear Probe  
C-E4-9 Transvaginal Probe

## Battery

2 hours (working time), 24 hours (DC mode)

## Weight

1.2 kg



## Effortless Mobility

Aurison Ultra's optional trolley securely holds 2-4 probes with quick-access bays. Four smooth-gliding wheels enable seamless room-to-room transitions, turning portable power into organized clinical efficiency.





# Peace of Performance Assurance

## Continuous Innovation

Our software-based technology platform enables effortless upgrades, pushing performance boundaries long after purchase. With Aurison, your system evolves alongside advancements, guaranteeing lifelong imaging excellence and peace of mind.

## Standard Warranty Coverage

The Aurison Standard Warranty\* provides the following for one (1) year from the date of purchase:

- **Hardware Components:** Coverage for the main system and associated parts against manufacturing defects.
- **Technical Support:** Access to assistance through local authorised distributors.
- **Transducer Reliability:** Protection for standard transducers under conditions of normal wear or operational failure.
- **Software performance updates** with the Aurison platform.

Terms & Conditions:

1. Valid exclusively for systems purchased through Official Aurison Authorised Distributors.
2. Warranties for purchases from non-authorised agents are not standardised and may differ.
3. Extended coverage options are available through upgradable warranty packages.

## Unplugged Precision: Aurison's Mobile Power

Operate Aurison Ultra Screen wirelessly via the Aurison Mobile App on any smartphone/tablet. Its compact, lightweight wired transducer delivers clinical-grade portability without sacrificing image quality, matching conventional systems while liberating clinicians to perform high-fidelity scans anywhere care is needed.



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