

DAWEI

3-in-1

Wireless Diagnostic Ultrasound Device

AI-assisted diagnosis

DW AI⁺ Series



DW-X1S

AI-Powered



AI-Assisted Organ Recognition & Intelligent Measurement

The system integrates advanced AI algorithms that automatically identify organ structures and perform intelligent measurements when the image is frozen.

This AI-powered feature enhances workflow efficiency and ensures consistent, reproducible diagnostic results across diverse clinical applications.



Automatic muscle and fat recognition

Applicable in MSK (Musculoskeletal) scenarios; requires optional module. (Optional)



Automatic bladder volume detection and measurement

Dedicated for Bladder Meas applications.



Automatic IMT detection and measurement

Dedicated for thyroid and carotid applications (IMT: Intima-Media Thickness).



Automatic ejection fraction (EF) detection and measurement

Dedicated for cardiac applications.



All Under Control, Precision Imaging

Cardiac, Linear, Convex



· Multi-system compatibility:

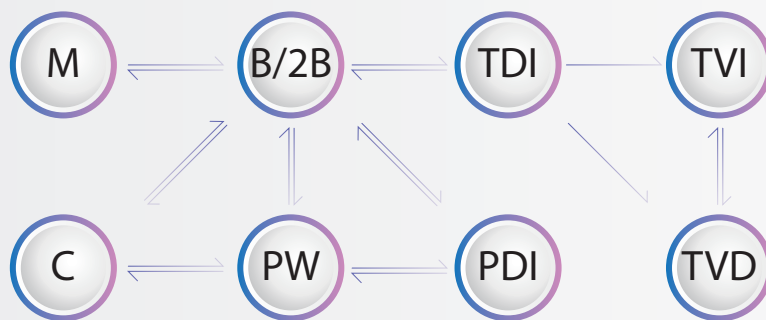
Android / iOS / Windows compatible

· Stable transmission:

Adjustable Wi-Fi channels reduce interference and ensure high-quality imaging



Multi-Dimensional Imaging at a Glance



Scan Mode Switching *

The arrow direction indicates that two scan modes can be directly switched between each other.



Battery & Charging

Provides up to **2.5 hours** of reliable operation and supports **wireless charging**.

Fully recharges in about 2 hours to keep your workflow uninterrupted.



Flexible Operation, Clear Visualization

- Gesture-Based Local Zoom
- Full-Screen Zoom
- Effortlessly switch scanning site parameters



Comprehensive Imaging Capture & DICOM Integration

- Real-time recording of ultrasound images
- Storage of static ultrasound images
- Supports configuration of DICOM format recording parameters for seamless integration with hospital systems



Historical Image Comparison & Evaluation

- Import historical images for accurate before-and-after comparison
- Assist clinicians in evaluating lesion progression and disease evolution



DWAI⁺

Multi-Scenario Diagnostic Solutions



CONVEX PROBE

Abdomen

Abdomen Difficult

Renal

Gyn

OB Early

OB Mid Late

Spleen

FAST

Bladder MEAS.

Cardiac

TCD



LINEAR PROBE

Peripheral Vessels

Thyroid

Breast

Superficial

MSK

Carotid

Nerve

Ocular

Skin



PHASED ARRAY PROBE

Cardiac

FAST

Lung

TCD



'Live'

'Capture
image'

Google
support required



'Freeze'



TOUCHLESS OPERATION, CLEANER WORKFLOW

Voice Control

Supports operation through voice commands, recognizing "Freeze", "Live", and "Capture image", with Samsung / Apple voice command support.

11/10/2025 Quick ID
16:30:31 MRN 0000009

Diastole

Systole

Transducer: LX128PA
Gain: 24 dB
Tilt: 53 dB
Depth: 17.3 cm
Pre-set: Cardiac
Focus: H 3.6
MHz: 1.61
TI: 0.75
Voltage: 15
Gray Map: 15

Multi Focus (OFF)

THI (OFF)

Spatial Compd. (OFF)

View Extension (OFF)

Freq

Gain

Enhancement

CDI

PDs

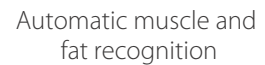
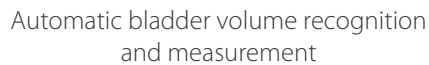
PDs

EF Measurement Summary

Height	Weight	HR
End Diastolic	End Systolic	
Length: 6.59 cm	6.25 cm	
Area: 26.84 cm ²	17.57 cm ²	
Volume: 92.93 ml	41.95 ml	
SV: 50.98 ml	SI: --- ml/m ²	CI: --- l/m/m ²
CO: --- l/min	EF: 55 %	



From Detail to Precision, Designed for Clinical Insight



Technical parameters

System platform

Android system, Apple iOS system,
Windows 10 system and above

Network transmission

WIFI networking
USB data connection
DICOM Unit

Measurement package

- Basic measurements:
Distance, circumference, area, trace, depth, and angle.
- Four types of AI-based measurements:
 1. Automatic muscle-fat recognition (for MSK; optional)
 2. Automatic bladder-volume detection (bladder preset; standard)
 3. Automatic ejection-fraction measurement (cardiac preset; standard)
 4. Automatic IMT measurement (thyroid/carotid presets; standard)
- Obstetric measurements:
AC, HC, FL, and BPD.
- Cardiac measurements:
Area and Length.

Dimensions

140 × 71 × 28mm

Weight

Approx. 270g

Battery

3000 mAh lithium-ion battery

Duration: ≥2.5 hours

Frequency

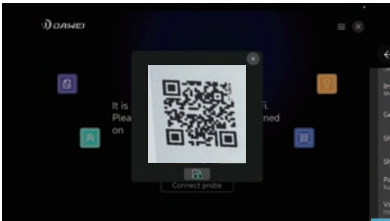
2.0 - 5.0MHz (Convex)
4.2 - 12.5MHz (Linear)
2.6 - 4.8MHz (Phased array)

Depth

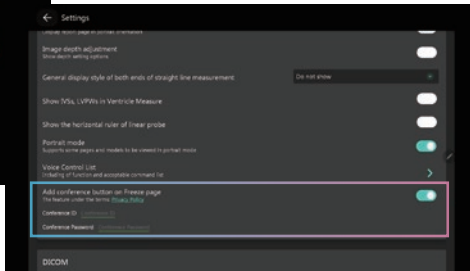
33mm - 300mm (Convex)
20mm - 178mm (Linear)
32mm - 300mm (Phased array)

Care Beyond Distance - The Next Generation of Telemedicine

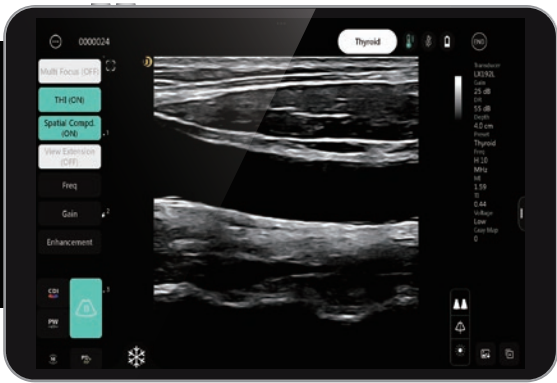
Telemedicine requires the use of mobile data (e.g., 4G or 5G) and conferencing software (e.g., **Google Meet**, **Microsoft Teams**, or **Zoom**).



Step 1 | Scan the QR code to bind the DW AI+ series device.



Step 2 | Activate the remote conferencing function and enter the meeting ID and password.



Step 3 | Start the telemedicine session.



Dawei



Google Meet

Zoom

Microsoft Teams

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www.daweimed.com