

# DW-L3

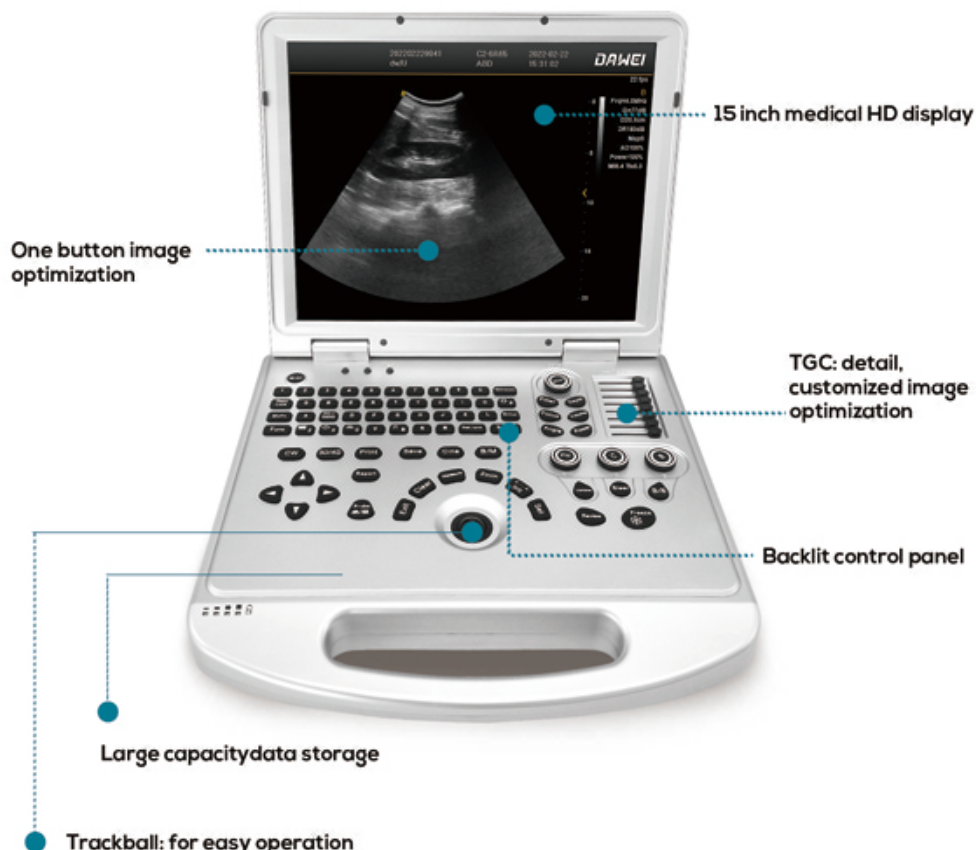
Color Doppler  
Ultrasound System

FOR LOVE IMAGE THE WORLD



The L3 has been designed from the relentless focus on delivering uncompromising performance at a cost-effective price. Equipped with high-end imaging technology, color images more delicate, higher clarity. With ergonomic design, lightweight and compact, convenient for the use of medical staff in different scenarios; High resolution medical display, image loss free.

## SMART COLLABORATION RELIABLE OPERATION



## Smooth Workflow

One-click intelligent optimization,  
fast access to quality images  
All-in-one clipboard  
Smooth processing  
Edge enhancement processing  
The host built-in  
SSD  $\geq 128\text{G}$  is fast  
and stable to start  
Cine playback:  $\geq 4000$  frames

## Excellent image quality

Spectral pulse Doppler  
Directional energy Doppler  
Spatial composite imaging  
Tissue harmonic imaging  
technique  
4B imaging mode

## User-friendly operation

Backlit, easy-to-use control panel  
the classical ergonomic design  
With DICOM3.0 protocol, PACS  
system can be connected

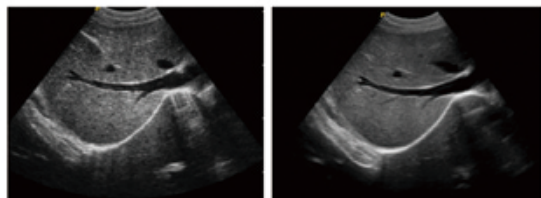


cart: fast and easy positioning  
for user comfort



Portable pull rod case 4.15kg

## Clear image visualization



The research and development team of Dawei Medical has spent three years, integrating the most advanced design concept and technological innovation, to create DW-L3 full digital high performance full digital color Doppler ultrasound diagnostic instrument.

Intelligent operation process, humanized appearance

design and intimate human-computer interaction as a whole, so that doctors in the process of clinical diagnosis will focus on the patient itself.

## Micro imaging technology

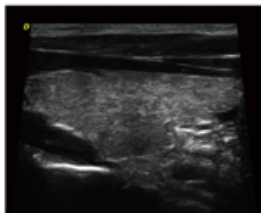
Micro imaging technology, real-time tracking of different tissue edge specific signals, to achieve edge enhancement, while monitoring every pixel; The internal signals of the organization are optimized and the edge information and the internal pixel information are perfectly fused to restore the real and delicate 2D image with excellent hierarchical contrast.

## Tissue harmonic imaging (THI)



By improving tissue contrast resolution, spatial resolution and eliminating near-field artifact, image clarity can be improved. It is mainly used in the diagnosis of cardiovascular and abdominal diseases, and plays an important role in the evaluation of lesion areas and demarcation of difficult imaging. This technology has been fully recognized by clinicians. Harmonic technology retains the second harmonic signal to the maximum extent on the basis of removing the fundamental signal, which increases the signal intensity by more than 30% compared with the traditional signal processing, reduces noise and artifacts, and improves the contrast resolution of tissue image.

## Trapezoidal imaging

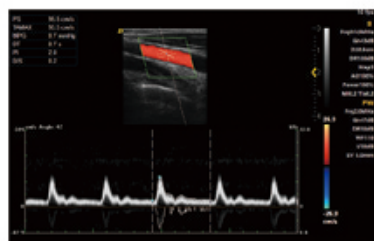


It is a kind of extended imaging. On the basis of the original rectangle, it is transformed into trapezoid. The left and right sides are expanded to a certain extent to achieve a wider visual field.

The principle of ultrasound imaging is to use ultrasonic beam scanning organs, through the reception and processing of reflected signals, to obtain images of internal organs.



## Carotid spectrum

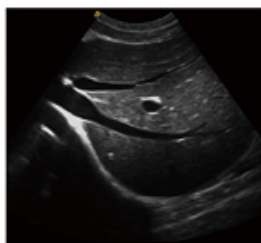


Spectral ultrasonography of carotid artery can provide a noninvasive, simple and reproducible method for the diagnosis of atherosclerosis. However, multi-parameter analysis should be advocated in the analysis of detection results. Besides the flow velocity of relevant vascular segments, pulsing index, spectral morphology, blood flow direction and blood flow sound should also be considered.

Carotid ultrasound is helpful to determine the nature of the ischemic cerebrovascular disease of carotid artery atheromatous plaque and stability, and to determine the degree of carotid atherosclerosis and

carotid stenosis, especially in the display has the advantages on the change of the arterial wall structure, for the early prevention and treatment of atherosclerosis provide objective basis, actively treating atherosclerosis and carotid stenosis in preventing ischemic brain have important significance.

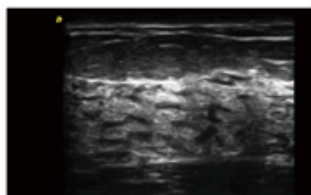
## HD liver imaging effect



2D real-time ultrasound imaging is mainly used for the change of liver morphology. Ultrasound examination shows the pathological image of liver, which belongs to the change of acoustic physical properties. For the same lesion, different stages of disease development, ultrasonic image performance is different.



Biparietal Diameter



Breast



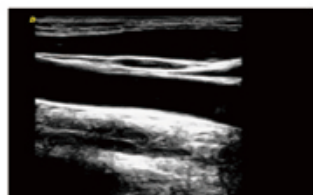
Liver



Kidney



Fetal Umbilical Blood Flow



Carotid Artery

## IMAGING WITH CLARITY AND ACCURACY TRANSDUCERS

**Convex  
probe**



**Trans-vaginal  
probe**



**Linear  
probe**



**Micro-convex  
probe**



**Trans-rectal  
probe**



Across a wide range of clinical specialties: To meet the basic hospital in the abdomen, obstetrics, gynecology, urinary system, small organs, superficial, vascular, pediatric, newborn, muscle, physical examination and other aspects of the examination and diagnosis.

## ABOUT DAWEI

Over the past 16 years since its inception, Dawei has become a global developer, manufacturer and supplier of medical equipment.

Its mission is to protect human health services and make healthcare more accessible and affordable around the world.



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