

# M30

Portable Color Doppler Ultrasonic System

Slimmer | Clearer | Stronger



**ZONCARE**

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## Ergonomic Design

Match the ingenious ergonomic design with the compact size, M30 has remarkable adaptability which can fit variable usage scenario.



## Transducers



## Efficient and Fast Workflow

- Multiple user-defined programming buttons
- One-key Automatic Optimization Technology
- One-key operation flow, quick switching and easy to use
- Visualize user-defined presets function (QSave)
- Metadata and image postprocessing
- DICOM 3.0
- USB 3.0 port makes transmission more convenient
- Thumbnail clipboard - easy to review the images and videos



The Probe holder can be removed



The battery can be removed



Clipboard



Qsave



Station



User-defind Buttons



## uSeed Platform

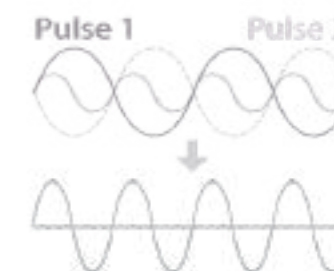
M30 facilitates accurate diagnosis based on uSeed metadata beamforming imaging technology platform. This brand-new platform is developed by CPU + GPU heterogeneous computing technology. The images in uSeed platform are saved as metadata for postprocessing.



## Technologies

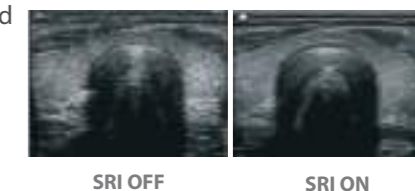
### Pulse Inverse Harmonic Imaging PIHI

PIHI reduces the distortion generated by the fundamental wave, and greatly improve the signal-to-noise ratio.



### Speckle Reduction Imaging

SRI technology significantly reduces the unwanted speckle, provides enhanced tissue boundary and tissue echo for confident clinical diagnosis.



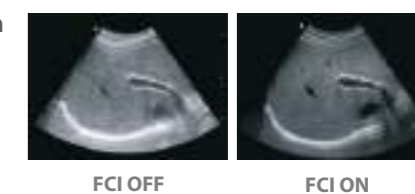
### Spatial Compound Imaging

SCI provides better contrast resolution, reduces the speckle noise and smoothes the imaging of homogeneous tissue.



### Frequency Composite Imaging

Combine the high penetration of the fundamental frequency and the high resolution of the harmonic frequency to improve the detail resolution and contrast resolution of the near field and the far field to provide the best image quality.





## Comprehensive Clinical Applications

M30 provides remarkable performance in Abdomen, Gynecology (including endocavity), Obstetric, Cardiology, Small parts (Breast, Testes, Thyroid, etc.), Urology, Musculoskeletal and Peripheral vascular. A variety of imaging modes brings a comprehensive clinical application.

- B Steer, 3D/4D, ZPage, Zlive, PW, CW, AMM, CMM, Panoramic Imaging, Elastic imaging mode, EFOV, TDI
- Auto IMT, Auto NT, Auto Trace, TSI, THI, SRI, SCI, FCI, Biopsy function

## Radiology

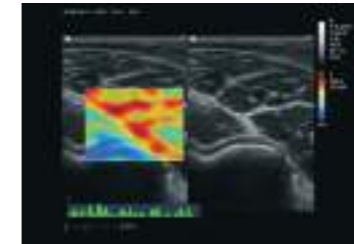
### Panoramic Imaging

Panoramic Imaging could help to get extended and complete view of the anatomical structure.



### Elastic Imaging

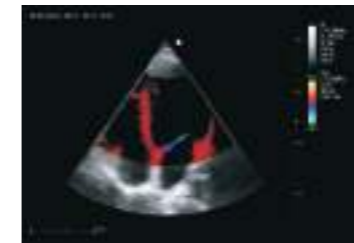
Elastography plays an important role in clinical diagnosis, especially in lesions assessing. Elastography imaging could detect the hardness of nodule, therefore it may help to differentiate malignant from benign lesions.



## Cardiology

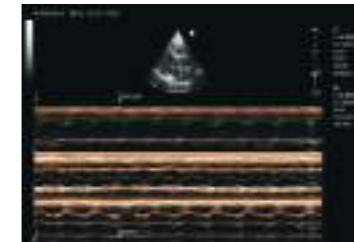
### TDI

Tissue Doppler Imaging (TDI) could monitor local myocardial movement, and evaluate the movement quantitatively.



### AMM

AMM allows placing up to 3 sample lines at any angles, the thickness and thickening of each ventricular wall could be observed accurately, which is also helpful for the accurate measurement of ejection fraction.



## Obstetrics and Gynecology

### 3D/4D

Zoncare advanced 3D/4D mode delivers amazing lifelike 3D/4D images. With Zlive, M30 has the ability to manipulate light and shadow anywhere in the images.

