



# ViV50

Explore Advanced Flexibility and Clarity

**zoncare**

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## uSeed Platform

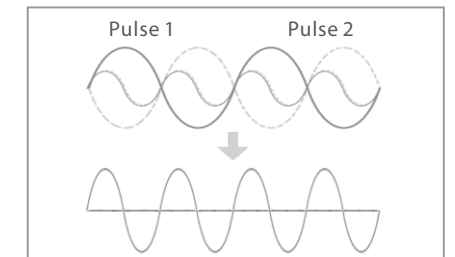
ViV 40 facilitates accurate diagnosis based on uSeed metadata beamforming imaging technology platform. This brand-new platform is developed by CPU + GPU heterogeneous computing technology. The images in uSeed platform are saved as metadata for postprocessing.



## Technologies

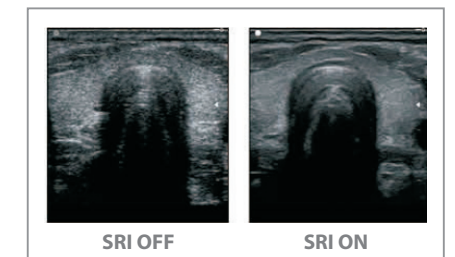
### Pulse Inverse Harmonic Imaging PIHI

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



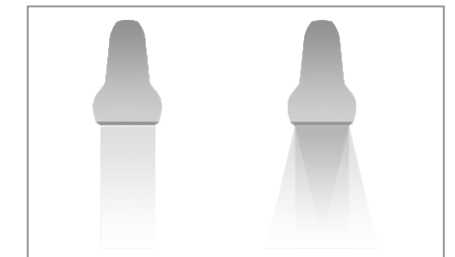
### Speckle Reduction Imaging

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



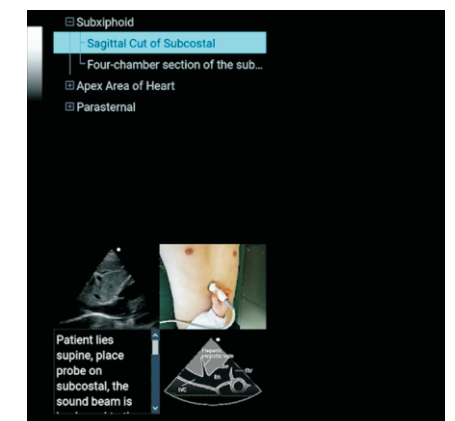
### Spatial Compound Imaging

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



### Make Efficient and Fast Workflow a Daily Companion

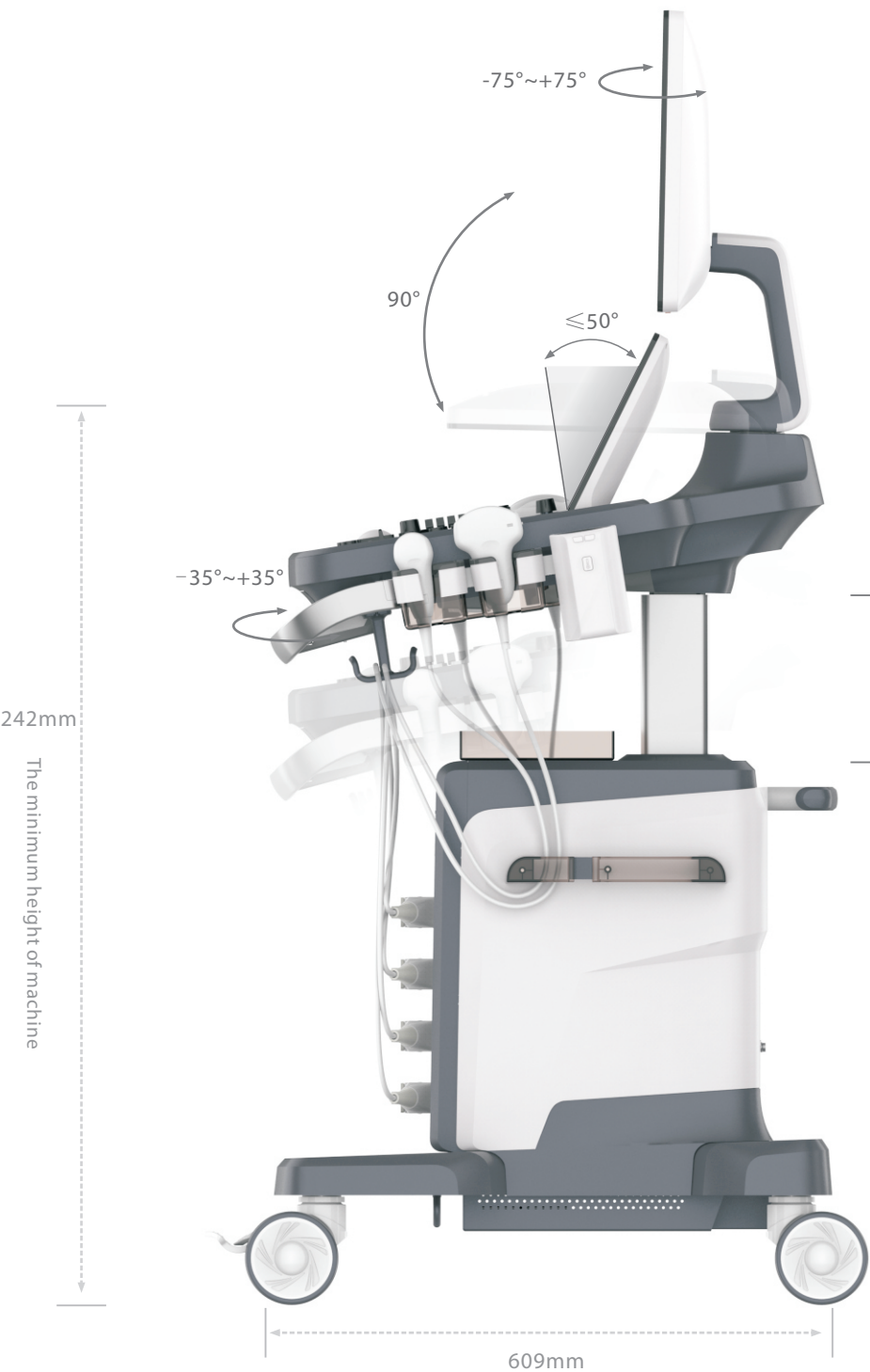
- Efficient multi-function touch screen
- Multiple user-defined programming knobs
- One-key Automatic Optimization Technology
- One-key operation flow, quick switching and easy to use
- Visualize user-defined presets function (Qsave)
- Metadata and image postprocessing
- DICOM 3.0
- USB 3.0 ports, built-in DVD, make transmission more convenient
- Ultrasound Assistance
- Automatic workflow protocol. ViV 40 can be customized according to users' needs improving the work efficiency





Ergonomic Design

Match the ingenious ergonomic design with the compact size, ViV 40 has remarkable adaptability which can fit variable usage scenario.



Design



21.5" Medical LCD monitor  
- Angle adjustable  
- Foldable



13.3" High sensitivity touch screen  
- Angle adjustable



4 Universal transducer connectors



Various Probe Selection  
Clinical Applications :Abdomen, Gynecology, Thyroid Urology, Vascular, Cardiology, Musculoskeletal, and Neurological intervention.



Optimized control panel  
- Angle adjustable  
- Height adjustable



Splash-resistant panel protection film  
-Reliable cleaning and disinfection



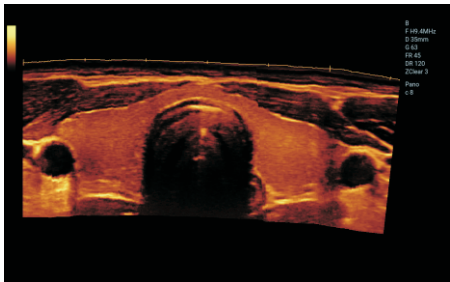
Cable Management



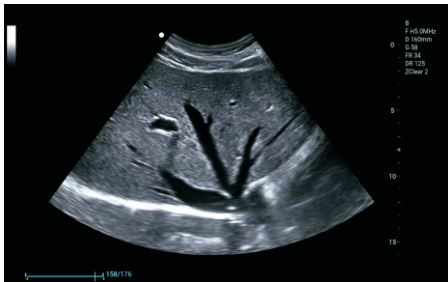
## Comprehensive Clinical Applications

ViV 40 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.

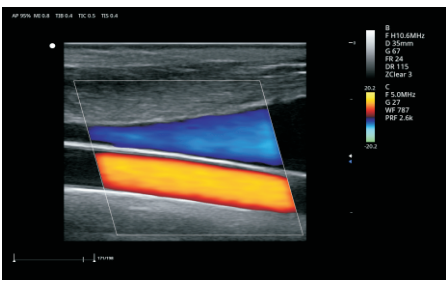
- B Steer,TSl,THI, SRI,SCI,FCI,Biopsy Function,ECG port
- Auto IMT, Auto Trace,Panoramic Imaging,Elastic Imaging,EFOV
- Auto EF, PW,CW,TDI,AMM, Curved AMM,CMM
- Auto OB ,Auto NT,3D/4D,ZPage,ZLive,Auto Follicle



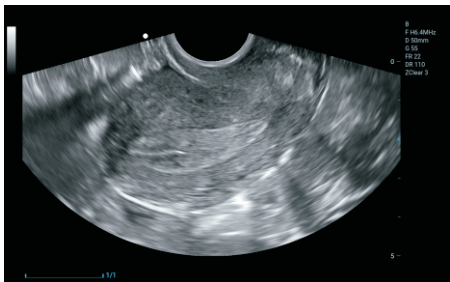
Panoramic



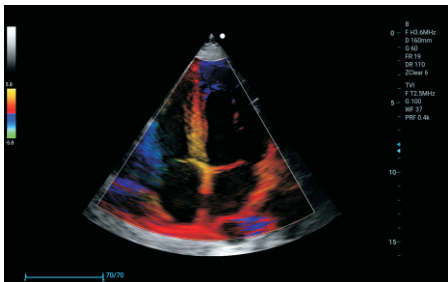
Liver



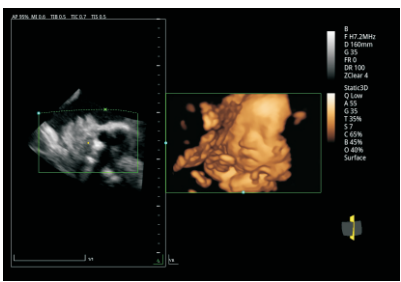
Carotid



Uterus



TDI



3D/4D

## Radiology

### zMicroflow

Significantly improve the ability to display the color blood flow signal of micro-vessels in tissues such as kidney, myocardial intima, and lymph, and truly reflect the change of blood flow.

### Intelligent Blood Flow Tracking

Intelligently identify the location of blood vessels .Continuous tracking of blood flow, and support real-time optimization to achieve better blood flow optimization.

## Cardiology

### AMM

AMM allows up to three sampling lines to be placed at any Angle, facilitating multi-directional observation of ventricular wall movement.

### Curved AMM

Curved AMM can accurately display the relationship between spatial and temporal distribution of myocardium, which brings a new method for analyzing multi-segment myocardium motion.

### Auto EF

To recognize myocardial intima during the diastolic and systolic period and calculate the ejection fraction automatically.Reduce the operation steps of inspectors and improve work efficiency.

## Obstetrics and Gynecology

### Auto OB

Automatic identification of obstetric standard sections and automatic measure BPD\HC\AC\FL.etc

### Auto Follicle

Automatic identify and calculate the size of follicles.

