

RWD

# High Frequency Small Animal Ultrasound Imaging System

Revolutionizing Ultrasound Imaging

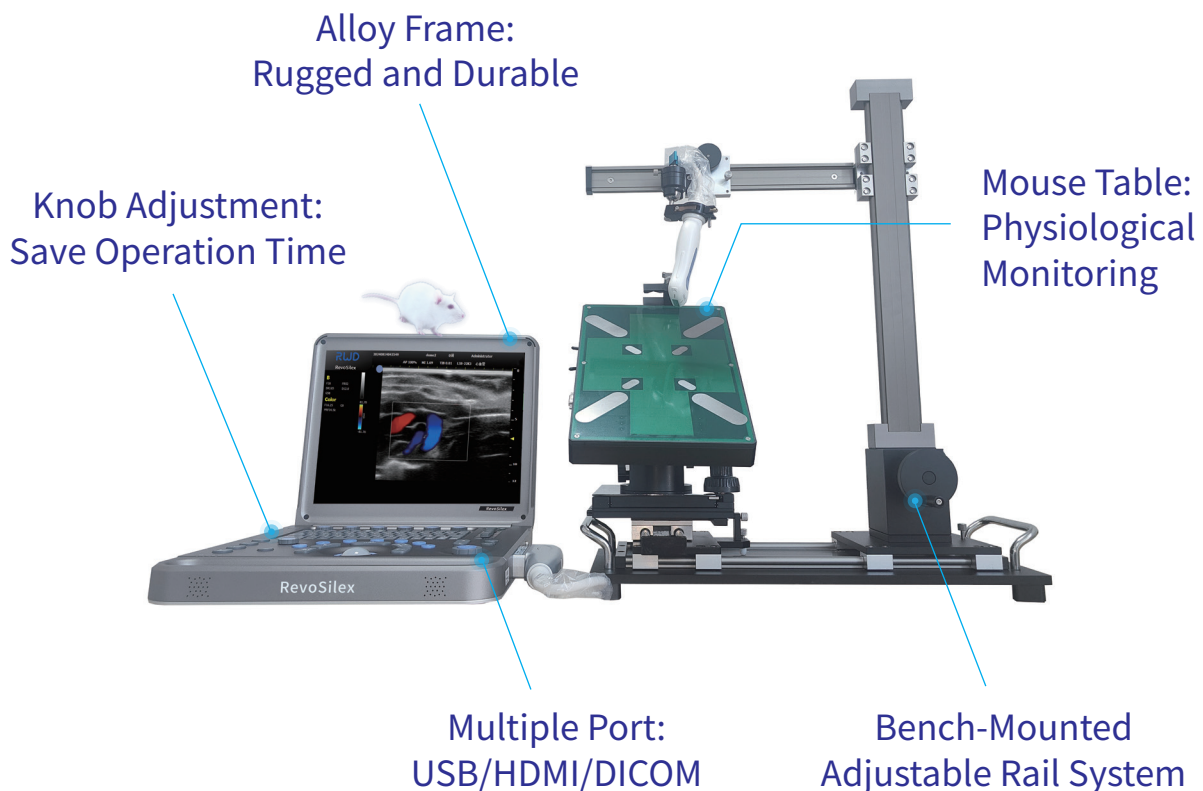


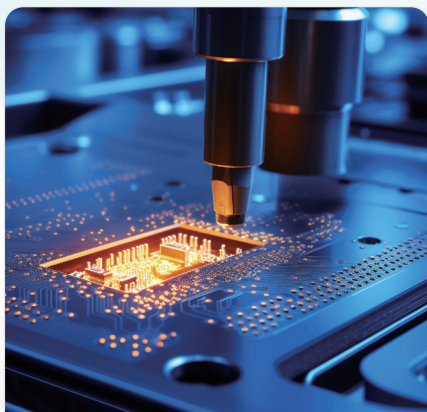
## Product Characteristics

Powered by groundbreaking semiconductor transducer technology and industry-leading ultra-high frequency AFE chip, our cutting-edge ultrasound system delivers unparalleled imaging performance.

Featuring a wide 70-8 MHz frequency range and sensitive color Doppler capabilities, this versatile solution enables researchers to capture high-quality images across a diverse range of animal models, from cardiovascular and oncology to developmental biology and drug discovery applications.

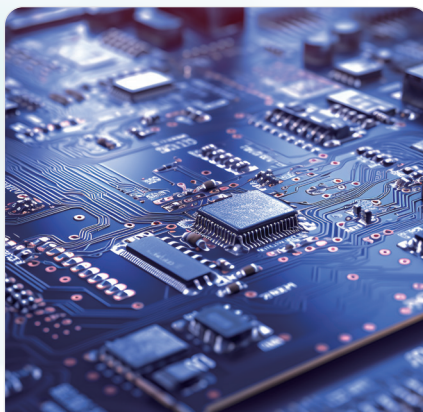
Experience the future of ultrasound imaging and unlock new research possibilities with this user-friendly Offline Workstation and Operating Platform. Elevate your work to new heights and stay at the forefront of scientific innovation.





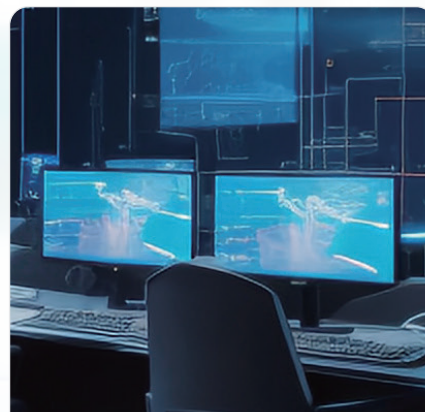
### Semiconductor Transducer

Leading MEMS Technology 256 Elements  
Wide-Array Frequency up to 70MHz





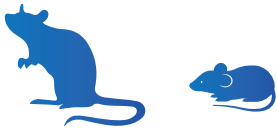

### UHF Data Platform

Ultra-High Frequency AFE Chip 16 Bits Sampling  
Resolution 30µm Image Resolution



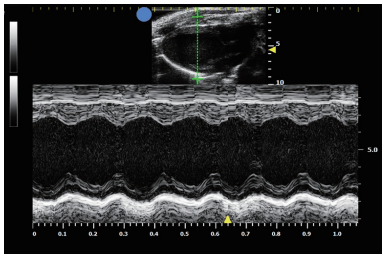
### Offline Analysis Workstation

Scanning and Analysis Separately Mass Data  
Import and Export Save Experiments Time

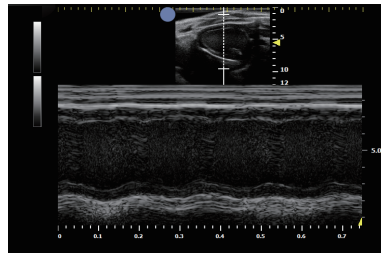
Transducer	Animals	Applications
L62-38K3 Center Frequency 50 MHz		Cardiovascular, Vascular, Tumors, Superficial Tissue, Ophthalmology
L38-22K3 Center Frequency 30MHz		Vascular, Embryology, Superficial Tissue, Abdominal, Reproductive, Tumors, Rabbit Eyeball, Tumors, Cardiovascular
L28-12K3 Center Frequency 20MHz		Abdominal, Embryology, Tumors, Cardiovascular
L22-8K3 Center Frequency 15MHz		Vascular, Abdominal, Cardiovascular



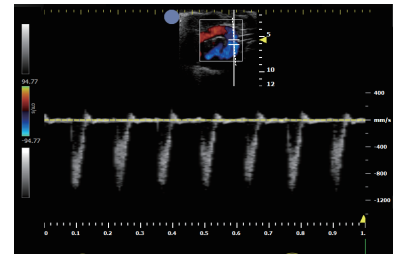
# Applications



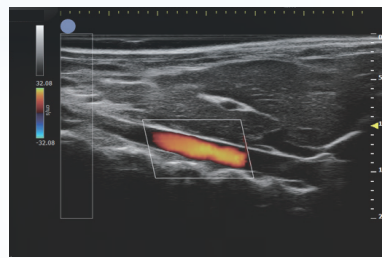
Mouse-Heart



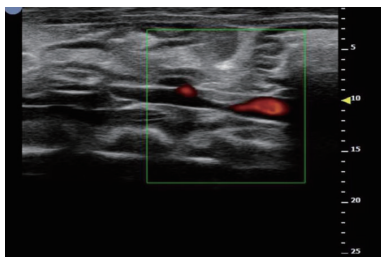
Heart failure in mouse



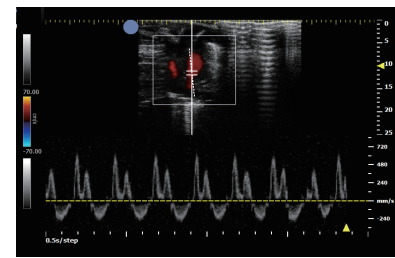
Aortic arch in mouse



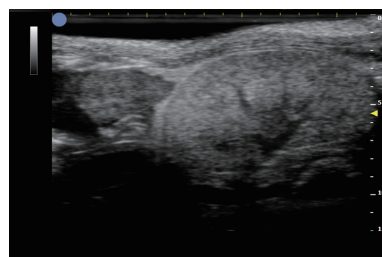
Vascular abdominal aorta in rat



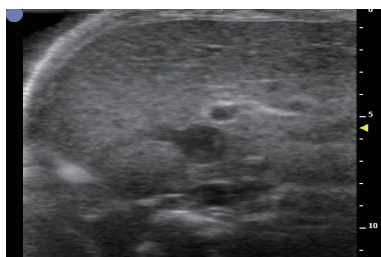
Atherosclerotic plaque model



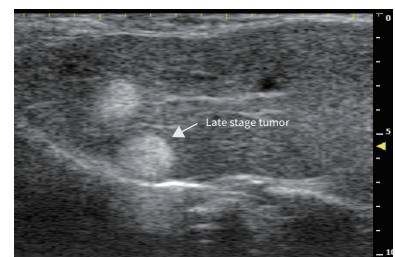
Four chamber in rat



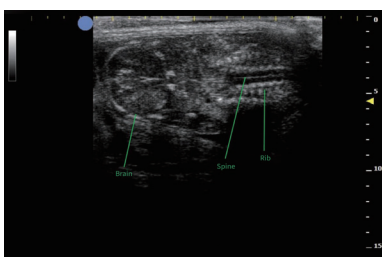
Mouse kidney



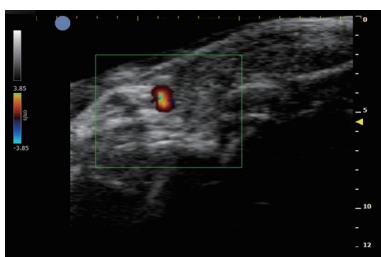
Mouse liver



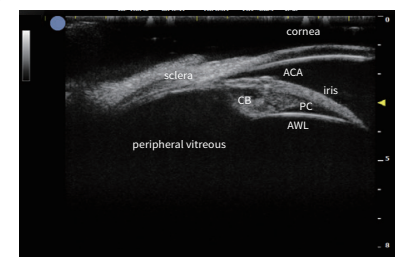
Liver tumor in mouse



Fetal Mouse



Zebrafish Cardiac



Rabbit Eye

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