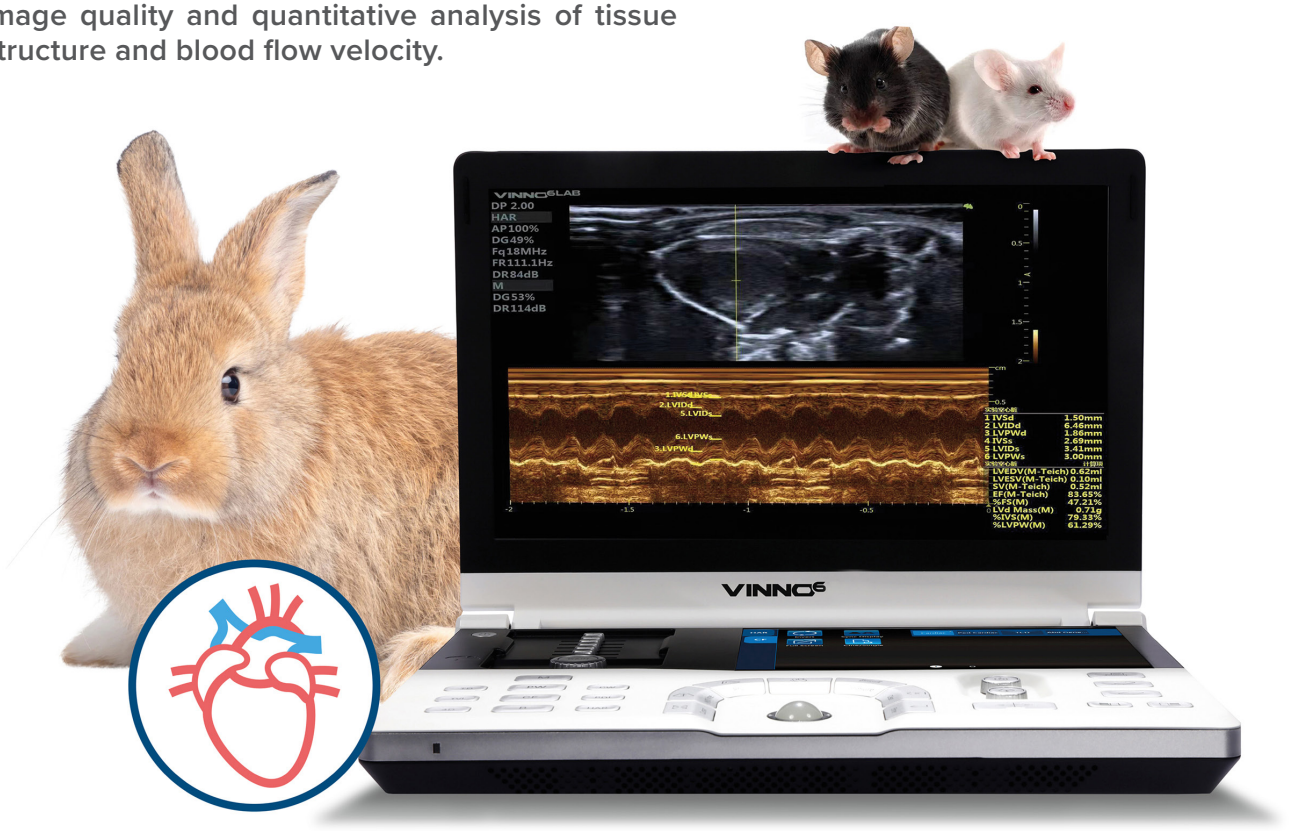
ANIMALAB

Animal ultrasound imaging system Vinno6

Yeeran takes the lead in launching the first portable small animal ultrasound equipment. It is a high-frequency and high-resolution small animal ultrasound imaging system developed for experimental small animals, providing researchers with non-invasive continuous analysis, high-resolution image quality and quantitative analysis of tissue structure and blood flow velocity.

YEERAN
Beijing Yeeran Technology Co.,Ltd



Through dedicated hardware and software designed for mice and rats, as well as optimized ergonomic operational design, it provides cost-effective application tools for researchers in cardiovascular research, gene expression pattern analysis, tumor research and drug development.

MEASUREMENT PARAMETER FUNCTION

- HR
- LVEDV
- LVESV
- SV
- CO
- LVd Mass
- EF
- %FS
- %IVS
- IVSd
- LVIDd
- LVPWd
- IVSs
- LVIPs
- LVPWs
- MW E/A
- MV Vel E
- MV Vel A
- and much more...

VERMON PROBES – THE HIGHEST QUALITY OF PIEZOELECTRIC TRANSDUCERS

The probes used with Vinno6 are high frequency French Vermon probes. With dosen probe models your diagnostics will be precise and fast.

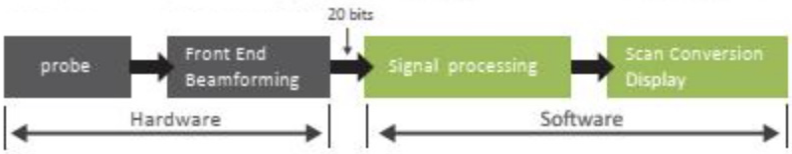
Ergonomics and comfort of work

- Weight 3.5 kg, thin and pretty
- Easy to carry by integrated handle
- Wide viewing angle
- Hith resolution flat-panel display
- With continuously adjustable positioning

Innovative RF Metadata Platform in Vinno6 ultrasound imaging system

RF signal data processing platfrom guarantees better resolution and definition.

- Bigger data to compute for better image quality
- Processing algorihm based on signal data, not image data
- Non-linear demodulation to strong signal
- Flexible algorithm on data processing
- More accurate and higher step calculation



Specific applications

CARDIOLOGY Different chambers of the heart morphological structure, coronary heart and great vessels research combined with heart type B ultrasound M type ultrasonic imaging. Vinno6 can effective real time records in the heart of the cardiac cycle of each movement phase morphology change and cardiac function measurement, can be carried out on the indexes of blood flow velocity of blood flow measurement, at the same time to measure the heart cavity volume change.

Vinno6 can be applied to the small animal experimental research of basic medicine of cardiovascular diseases, such as common myocardial infarction, myocardial hypertrophy, heart failure, hypertension and various experimental animals such as rats and mice as models to study congenital heart disease.

ANGIOLOGY System can detect the sectional images of blood vessels, accurately measure the thickness of arterial wall and the size of lumen of experimental animals, and measure the intima, middle and outer membrane of blood vessel wall.

MICRO MAGNETIC NAVIGATION Used for accurate positioning in vitro, fixed-point tumor implantation, fixed-point drug injection.

ONCOLOGY Tumor tissue can be accurately detected without any markers, and the area and volume of any radial distance can be measured.

DEVELOPMENTAL BIOLOGY Research on the embryonic development of experimental animals can be achieved from early embryonic development to new birth to adult with its built-in functional modules.

ABDOMINAL VISCERA The liver, kidney, spleen and other tissues and organs are imaged by high-resolution two-dimensional imaging. The blood flow and tissue perfusion imaging are detected in vivo in real time.