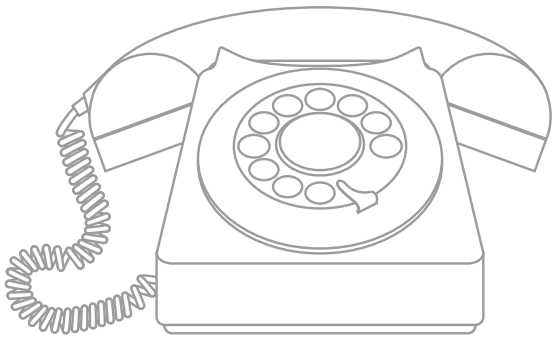
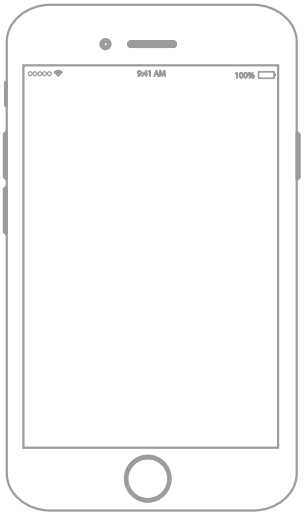
AcúVista Grace

New vision of guidance and PoC ultrasound

acuvista.eu

Ultrasound evolution





AcuVista Grace - new portable ultrasound scanner

Practice

Minimal-invasive surgery is becoming more and more important and has developed to be a standard procedure in many areas. Ultrasound guidance for these procedures is more accepted technology of visualization. Ultrasound scanners are turning from tool of diagnostician to that of surgeons.

Ultrasound scanner AcuVista Grace is specially designed for Point-of-Care usage.

It is fully controlled with a single ActivTwist device: a new generation of encoder and integrated touchpad. The control is as simple as in your smartphone. Simply touch ActivTwist panel or swipe with one or two fingers to activate icon and rotate a wheel to change active parameter. Excellent real haptic feedback in your fingers from encoder lets you change parameters without looking to device. No other buttons are needed. You can completely focus on patient but not on the device control. Almost all functions can be controlled both by ActivTwist and touchscreen. Intuitive interface makes it possible to use this scanner by doctors without special training.

Features

Touchscreen

Simple interface with intuitive operation. Rolling tool bar with icons is similar to smartphone.

ActivTwist operation control

Single all-in-one integrated encoder and touchpad. Multitouch gestures recognition.

ActivTwist

You can press and rotate the wheel to adjust parameters.

Gloves control

Device can be operated with gloves. A stylus can be used for accurate measurements.

VESA adapter

Scanner can be mounted with standard VESA adapter on any existing arms in operation room.

Sterile cover

Scanner (both touchscreen and ActivTwist) can be used under the sterile cover.

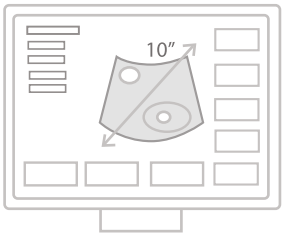
Light weight

Light weight, easy to carry.

Different positioning

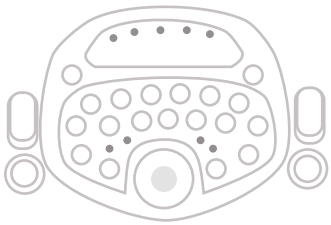
Mounted on stand, trolley or table based

Grace vs Traditional Ultrasound



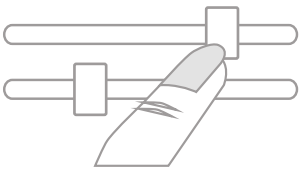
VS.

1. Portrait screen
Visible size of ultrasound image is equal ones on standard 19-20" landscape monitors.



VS.

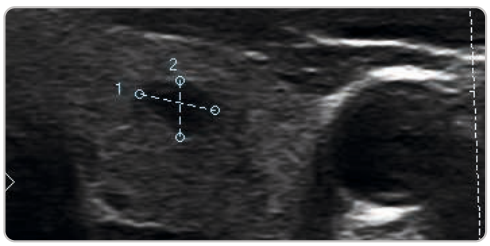
2. Simple control device
One device control instead of full keyboard.



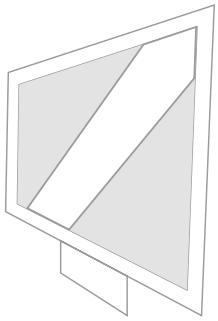
VS.

3. Comfortable ActivTwist
Comfortable wheel with real haptic feedbeck instead of virtual slider.

VS.



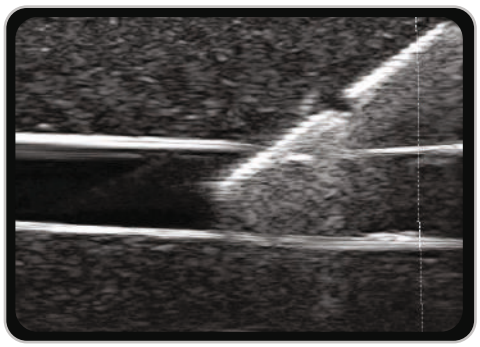
4. Easy measurements
Easy measurements by your fingers or any pointer instead of trackball and combination of buttons.



VS.

5.Wide angle view screen
Wide angle view screen and high brightness allows to use it under direct light of lamps in operation room.

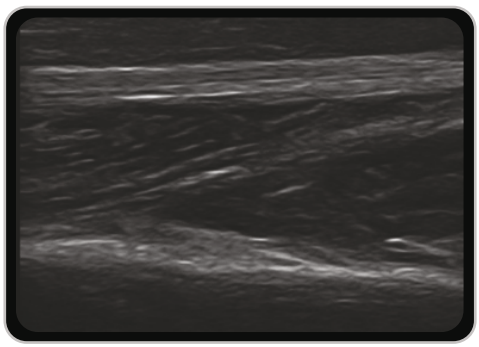
Applications



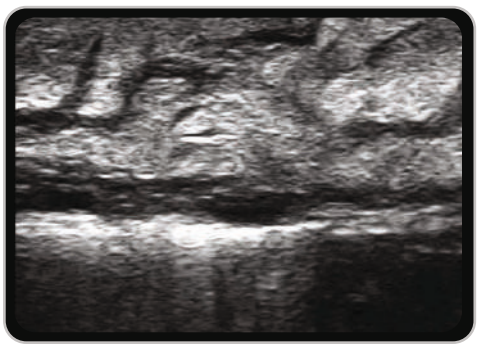
Vascular Access

Biopsy Guidance

Operation Control



Anesthesia



Phlebology

Aestetic Medicine

Probes

Linear 25mm

Linear 40 mm

Linear 60 mm

Convex R50

Specification

Portable digital ultrasound scanner

APPLICATION: Point-of-Care, Vascular Access, Anaesthesia, Biopsy Guidance, Phlebology, Aesthetic Medicine.

INTERFACE:

- Intuitive interface with ActivTwist (single device combining touchpad and encoder) and touchscreen;
- Gesture recognition;
- Operation in gloves or under sterilized film;
- Multilanguage support;
- Virtual onscreen keyboard;
- Helps and hints;
- Two levels of user experience mode: Basic and Advanced.

SCREEN: 10" touchscreen with IPS high resolution display and viewing angle 178°/178° (H/V).

IMAGING MODES: B, CFM, B-steer, Compound.

TRANSDUCERS:

- Frequency range 2-14 Mhz;
- Wide bandwidth;
- Automatic transducer recognition.

IMAGE STORE AND CINELOOP:

- Image and cine storage on SSD drive (up to 128 GB) of on USB drive in JPG, TPD formats;
- Adjustable length cineloop in AVI and TVD formats;
- Review and playback. Measurements available on stored images and video.

MEASUREMENTS: one touch measurements with finger or any pointer on touchscreen.

General and specific calculation packages.

PORTS: USB2.0, DICOM.

SIZE: 210 x 265 x 341 mm.

WEIGHT: 3.8 kg.

POWER: 110-240V DC or 12V AC.

Patents

- Patent for invention 2547959 RF
- Pending for PCT 000820

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