

Linear array wireless probe (UProbe-3L)

Linear series Wireless ProbeType Color Doppler Ultrasound Scanner



Product introduction

How it works

The wireless probe is a mini ultrasound scanner without a screen. We minimize the components of a traditional ultrasound into a small circuit board built into the probe, and showing image in smart phone/tablet through Wifi transferring. Rotate built-in screen probe is a wireless ultrasound probe add screen, image can both show in screen and tablet. Image transferring through internal wifi from probe, no need external Wifi signal.

Features

- Workable with Tablet PC or Smart Phone (iOS, Android, Windows)
- Advanced digital imaging technology, clear image
- High cost-effective
- Wireless connectivity without probe cable, easy to operate, working freely
- Small and light , easy to carry
- Applicable in hospital, emergency, clinic, outdoor and vet inspection
- Intelligent terminal platform, powerful expansion functions on application, storage
- Waterproof design, convenient for sterilization
- Remote diagnostic convenience, capability and easy image transfer

Specifications

- Scanning mode: Electronic array
- Probe element: 96
- Display mode: B, B/M, and Color, PW, PDI
- Frequency: 7.5MHz/10.0MHz
- Display Depth: 20/40/60/100mm



- Scan angle and width: convex 50°, Phased array 80°, linear 40mm/80mm
- Image Adjust: Gain, DYN, Focus, Depth, Harmonic, Denoise
- Puncture assist function: the function of in-plane puncture guide line, out-of-plane puncture guide line, automatic blood vessel measurement, and the enhancement function of needle point development
- Cineplay: auto and manual, frames can set as 100/200/500/1000
- Measure: Length, Area, Angle, Obstetrics
- Image frame rate: 18 frames/second
- Battery working time: 3~5 hours
- Charge: by wireless charger, 2 hours
- Dimension: 156×60×20mm
- Weight: 250g
- Wifi type: 802.11g/20MHz/5G/450Mbps
- Working system: Apple iOS and Android, Windows

Usage

1. For iPhone/iPad, please search “Wireless USG” in Appstore and download; For Android, please download from our website or copy from another smart phone/tablet.
2. Press the probe button to start up, then open the Wi-Fi of the smart phone/tablet, select the Wi-Fi from the probe, and enter the password as the probe serial number in lower case letters (e.g: SN: C1234567, the password is C1234567, don't input “SN”).
3. Open the installed software and begin use.

Reminder: A long button press is shutdown and a short press is freeze.

Clinical application

■Clinical value

Precision medical visualization tool, first aid quick examination, basic examination, wireless ultrasound probe is not only help the medical workers to improve working efficiency, reduce labor intensity and working pressure, but also improve diagnostic confidence and treatment. Minimize diagnostic and treatment errors, complications, sequelae, medical accidents and disputes.

■Application directions

1. Visualization tools: invasive intervention guide, surgical and therapy guidance.
2. Emergency inspection: ER, ICU, Wild First Aid, battlefield rescue.
3. Preliminary examination: Ward Inspection, primary clinic examination, medical examination, health screening, home care, family planning, etc.
4. Remote diagnosis, consultation, training: works on smart phone or tablet, easy telecommunications.

■Applicable Clinic

Anaesthesia, pain, ICU, urology, nephrology, cardiology, rehabilitation, orthopedics,

gynaecology, reproductive, obstetrics, neonatology, pneumology, gastroenterology, hepatological surgery, general surgery, vascular surgery, thyroid surgery, skull surgery, neurology, transplantation, ophthalmology, dermatology, emergency, nursing, inpatient, physical examination, and ER ambulance, primary care, family planning centers, family medicine, home care, nursing home, prisons, plastic surgery, small needle knife/acupuncture treatment clinic, sports medicine, battle field ambulance, disaster ambulance, etc.

■ Example of usages

Puncture/intervention guide: thyroid ablation, neck vein puncture, subclavian vein puncture, and neck and arm nerves, canal of arantius, spine puncture, radial vein injection, percutaneous renal surgery guide, hemodialysis catheter/thrombosis monitoring, abortion, bile duct puncture, hydropsarticali extraction, pain therapy and cosmetic surgery, urine catheterization.

Emergency inspection: internal bleeding, pleural effusion, pneumothorax, atelectasis of lung, temporal l posterior auricular fistula, pericardial effusion.

Daily inspection: thyroid, breast, liver cirrhosis, fatty liver, prostate/pelvics, stroke screening, retinal artery, uterus, follicular monitoring, fetus, musculoskeletal, podiatry, fractures, varicose veins, spleen, bladder/urinary function, urine volume measurement.



Support to connect various internal and remote information system, convenient to the realization of consultation.

Application in animal husbandry

- To monitor follicular development and ovulation, provide a reliable scientific basis for when to breed and increase the breeding rate.
- Ultrasound monitoring in early pregnancy, to find nonpregnant timely.
- Pregnancy monitoring can detect stillbirth, miscarriage, embryo absorption, etc. Meanwhile it can estimate the number of embryo.
- Perinatal monitoring can determine fetal viability and whether fetal or afterbirth is exhausted.
- Postnatal monitoring of uterine recovery, diagnosis of endometritis, uterine

accumulation, effusion and other reproductive disorders.

Configuration

Standard Configuration: Wireless type host × 1, USB charging cable × 1

Optional: Android tablet/phone, carry case





Forever Medical





Accessories



Bluetooth Printer



Needle puncture guide



Android tablet/iPad



Smart glasses



Trolley



Wireless charger



Tablet bracket



Disposable probe cover



Needle guide