



AKICARE Technology
Ultrasound Probe & Transducer Repair



Handheld Wireless Color Doppler Ultrasound Scanner

Product Introduction

How it works

The **AKICARE** 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.

Product Advantage

Small and small size, easy to carry.
Wireless type without probe cable, working freely.
Waterproof design, convenient for sterilization.
Remote diagnostic convenience, capability and easy image transfer.

Leader in pocket ultrasound scanner

Top Configuration
192 elements
64 channels

Powerful puncture
guide function &
pinpoint development
enhancement

Weight less
than phone only
200G



Clear and exquisite
picture rival High-
end equipment

Harmonic noise
reduction
composite imaging
processing

Image transmission
smoothly by
internal 5G WiFi

Simplified in Shape, Surge in Chip

**Only one probe! Just connect smart phone/tablet by WiFi
and it becomes small Color Ultrasound Scanner**



Probe Type

Convex Type



Linear Type



Single Head

2 in 1 Convex & Linear



3 in 1 Convex & Linear & Phase Array

Double Head



Specifications

- Scanning mode: Electronic array
- Frequency: Convex/micro-convex probe 3.5/5.0MHz, Linear probe 7.5 MHz/10.0MHz or 10/14MHz, Transvaginal Probe 6.5MHz, 4D bladder probe 3.5MHz
- Depth: convex 100mm~280mm, micro-convex 100mm~200mm, linear 20mm~55mm, transvaginal 50mm~100mm, adjustable
- Radius of curvature and angle of scanning: Convex R60/60, Micro-convex R20/880, Transvaginal R10/149°
- Scan width: Linear 7.5MHz is 40mm, 10MHz is 25mm
- Screen size of built-in screen probe: 3.5 inches
- Display mode: B, B/M, color, PW, PDI
- Image adjustable: gain, focus, anti-phase pulse harmonics, noise reduction, DYN
- Puncture assist function: in-plane puncture guide line, external puncture guidance automatic blood vessel measurement, and the enhance needle visualization function needle point development.
- Battery working time: 3 hours
- Charging mode: USB charging or wireless charging.
- Measurements: Distance, area, circumference, angle heart rate, obstetrics.
- 4D bladder probe automatic volume measurement: range 10ml~2000ml, error < 5%, speed 2s.
- Size: Convex/linear: 156mmx60mmx20mm,
Transvaginal: 296mmx60mmx20mm,
4D bladder probe: 180mmx60mmx60mm
- Weight: Convex/linear/Micro-convex: 278g, 4D bladder probe: 420g, Transvaginal 300g
- Image frame rate: 20f/s
- Connection type: probe connects to smart phone/tablet by built-in WiFi
- WiFi type: 802.11 n/2.4G/5G/450Mbps
- Consultation function: remote internet consultation through smart phone and tablet, as well as multi-cell phone/ tablet for consultation.
- Working system: Apple iOS, Android and Windows

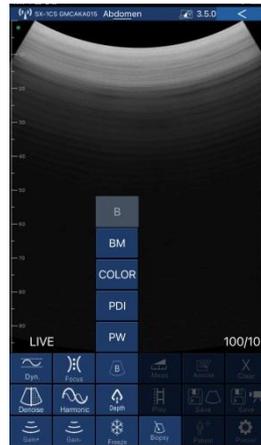
Popular to every medical worker





Probe Images

Convex Head



Linear Head



Applications



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.

■ Example of Usages

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

Emergency inspection: internal bleeding, Pleural effusion, pneumothorax, Atelectasis of lung, Temporal / posterior auricular fistula, pericardial effusion.

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

■ Application Directions

1. Visualization tools: invasive intervention guide, surgical and therapy guidance.
2. Emergency inspection: ER, ICU, Wild First Aid, battle field 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.





North America

Europe

Asia

Africa

South America

Oceania



AKICARE Technology
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Thank you!



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