

- Convex
- Linear
- Micro-convex
- Transvaginal
- Built-in screen
- Double heads
- 4D bladder



Speed, preliminary  
examine, interventional  
diagnosis and treatment  
visualization guidance

High cost-effective

# Handheld Wireless Mini B & 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.

### Double heads series

Double probe heads, one probe can meet the needs of multiple clinical tests, more convenient and lower overall cost.



## 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

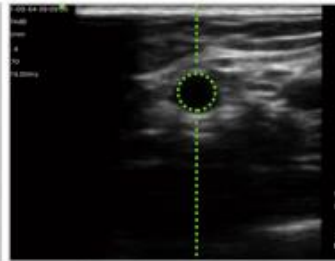
Only a probe! Just connect smart phone/tablet by wifi and it becomes a small B/COLOR Ultrasound Scanner



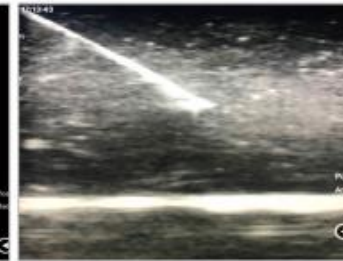
# Specifications



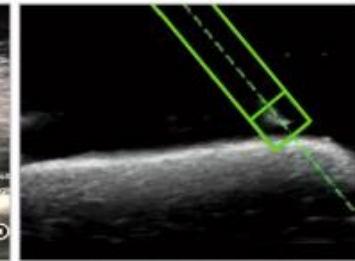
Specializes for catheter puncturing and optional needle guide



Vascular navigation and puncture guidance



Enhance needle visualization function coming soon



Magnetic navigation and positioning function coming soon

## Specifications

- Scanning mode: Electronic convex, sectorial, linear array.
- Display mode: B, B/M, Color, PDI, B+PW,
- Probe element: 96/128
- Channel of RF circuit board: 24
- Probe frequency and scan depth, head radius/width, scan angle(convex):  
Convex head: 3.5MHz/5MHz, 90/160/220/305mm, R45 /R60  
Convex head by virtual phased array(cardiac) scan mode: 3.5MHz/5MHz, 90/160/220/305mm  
Linear head: 7.5MHz/10MHz, 20/40/60/100mm, L40mm
- Image Adjust: B Gain, TGC, DYN, Focus, Depth, Harmonic, De-noise, Color Gain, Steer, PRF
- Cine play: auto and manual, frames can set as 100/200/500/1000
- Puncture assist function: the function of in-plane puncture guide line, out-of-plane puncture guide line, automatic blood vessel measurement.
- Measure: Length, Area, Angle, heart rate, Obstetrics
- Image /video save: jpg, Avi and DICOM format
- Image frame rate: 18 frames/second
- Battery working time: 3-4 hours
- Battery charge: by wireless charge, take 2 hours
- Dimension: L156×W60×H20mm
- Weight: 290g
- WiFi type: 802.11g/20MHz/5G/450Mbps
- Working system: Apple iOS, Android, Windows

# 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, hydrosarticuli 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.



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

## high praise from customers >>> >>>

**hello dear**

i have a great news

Today, the Head of Purchasing Department of medical equipment, the Ministry of Defense, announced that it was ready to buy 500 pieces. We are starting to prepare documents

On-time shipment safeguard  Pre-shipment product quality safeguard

Incredibly happy with the product and service! I'm a rural family physician in Canada. I ordered the curvilinear array probe to facilitate my work in both clinic and the emergency department. The size is fantastic, fits in my front pocket with no problem. I was expecting some problems with image transition as it uses a wifi signal, however so far it has been perfectly smooth with no glitching. It's range is 9cm, 12cm, 16cm and 20cm, so that's obviously mildly limiting, but not unexpected for a hand held device. Also the image at greater depths can be a bit hard to make out (IVC for fluid resuscitation is quite difficult in a larger patient), however it gives beautiful images for cardiac, AAA, obstetrics and FAST exam. Conclusion: great tool for the price, obviously not as quality as a 30,000 dollar machine, but convenient and useful.

Hello Mr.Zhang,  
I wish you a happy new year. Thank you for the nice feedback. The probe is very good. I will work with it first and then start with the customer advertisement. I look forward to a good cooperation.  
Best regards  
Karl Heinz Wilbert

20:53

thanks. 20:54

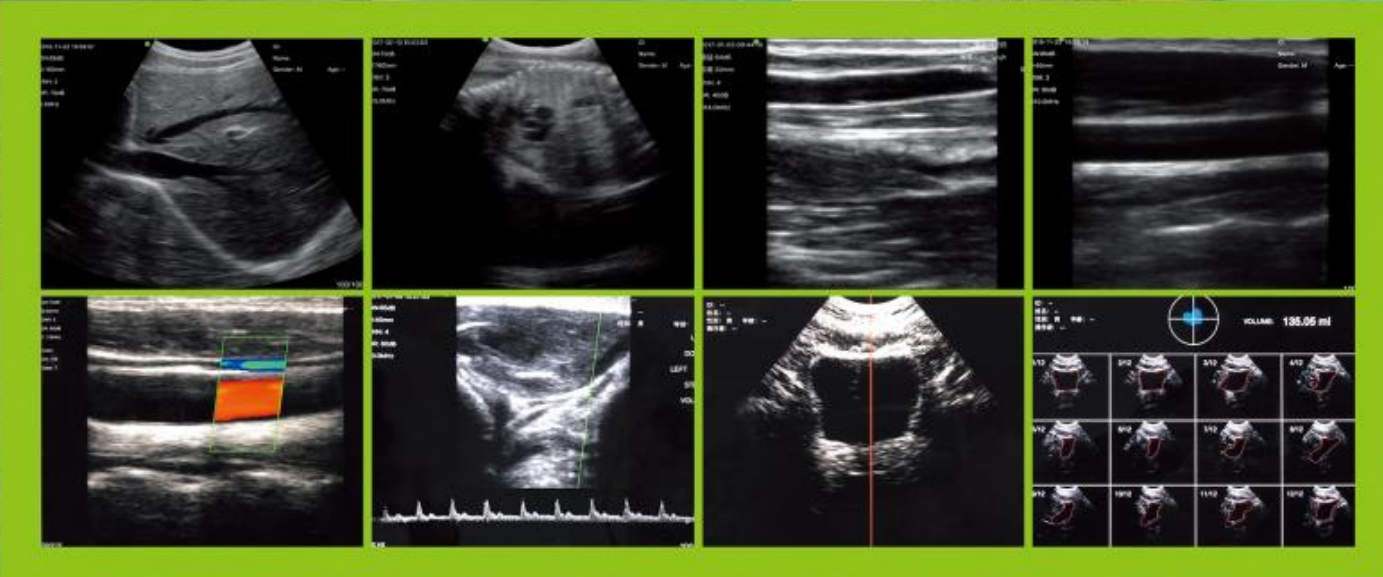
Dear cai got the color you are great man thanks!!!  
Thank your technical staff gianni!

**Dear Cai**

First of all, I would like to say Congratulations about the new color doppler. Good image !!!! Good features

**GOOD JOB**

Realize accurate, timely diagnosis and treatment, reduce medical malpractice, misdiagnosis missed diagnosis







**AKICARE** Technology  
Ultrasound Probe & Transducer Repair

# Thank you!



Allen Hu

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Ultrasound Probe&Transducer Repair&Biopsy  
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