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D8 Pocket Ultrasound System

Technical Specifications



Design of the innovation

- Wireless connection between ultrasound probe and display
Any conventional tablets can transform into an ultrasound machine (Supports IOS, Android and windows). Images can be shared within one click.
- A ultrasound machine with only 160g light weight, An ultrasound machine you can easily carry to everywhere in need.
- Patented detachable probe head and main unit
More cost effective and convenient to meet the needs of different clinical applications. Freeze, unplug, plug, 3 steps to detach probe lens for different applications.

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general specifications

Net weight:	About 160g
Size:	150mm*40mm*25mm
Battery lifetime:	>=4 hours
Waterproof level:	Ipx4
WIF coverage distance:	>= 6m
Platform:	Android, Windows, IOS
Connection Type:	WiFi &USB
Supporting devices:	Android tablet or smart phone, Windows PC, iPhone and IPAD.
Probe heads:	All types of detachable transducers supported.
Modes:	B, M, 2B, 4B, THI, Color, Power, PW (only color Doppler version have Color, Power, PW)
Gray level:	256
Transducer Frequency:	2-11MHz
Max scanning Depth:	300mm
Digital Technology:	Wide-angle imaging Panoramic focusing technology Frequency compounding Space compounding Rolling M technology Real-time Dynamic Aperture Tissue Harmonic Imaging Tissue Specific Imaging

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Controls:

Gain TGC Depth	C Scale/Vel
Frequency	C Gain
Focus Position	C Frequency
Dynamic Range	C Steer
Frame Correlation/Persistence	
TSI	PW Steer
Enhance	PW SV Size
Gray Map	PW BaseLine
Acoustic Power	Time Mark(Only Windows)
Qbeam/CrossBeam	PW Speed
Expand mode	PW Auto Calculation
Biopsy GuideLine	PW Auto Calculation Parameters
Left/Right Flip	
Up/Down Flip	

Function

Cine-loop:	400 frames movie playback stored
Zoom:	Max 10 times
Qopt:	One-key optimization
Language:	Chinese, English, (All systems) Russian, Spanish, Italian, Czech, German (only Windows)
DICOM:	DICOM 3.0
Other function:	Patient information Management (only Windows)

Measurement and calculation

B mode: Distance, angle, area, volume,
trace length, distance ratio, area ratio, histogram

M mode: Distance, time, slope, heart rate

CALCULATION PACKAGES:

Ob/Gyn: Measurements: Distance/Ellipse/Trace/Volume, GS, CRL, BPD, HC, AC, FL, AFI, Cervix Length,

Calculations: Estimated Fetal Weight, Estimated Due Date

Cardiac:

Measurements: Distance/Ellipse/Trace/Area, RVWd, RVDd, IVSd, LVDd, LVPWd, RVWs, RVDs, IVSs, L



VPWs, MVA, AVA

Calculations: Ejection Fraction, Fractional Shortening, Volume Area, Stroke Volume, LA/Ao, CI, SI
(Above items are for Windows APP. For Android and IOS APP, the measurements include Distance, Angle, Area, Time, Heart Rate, Speed)

Full measurement packages, report and patient list support only for Windows

Application package:

Abdomen, Small parts, Vascular, Obstetrics,
Gynecology, Cardiology, Neurology,
Urology, Orthopedics, Anesthesia

Software Compatibility

iOS: iOS version 9.0 or newer

Mobile devices: iPhone 5S (or newer), iPod Touch (5th gen or newer)

Apple iPhone 6s, 6s Plus, SE, 7, 7 Plus, 8, 8 Plus, X, XS, XS Max and XR

Tablet device: iPad (3rd gen or newer), iPad Air (1st gen or newer), iPad Mini (1st gen or newer), iPad 5th gen, 6th gen, iPad Pro

Android: Android device 5.0 or newer

Mobile devices: HUAWEI mate 8, mate 9, mate 20, P10, P20, P30, P30 pro, Honor..

Tablet device: HUAWEI MediaPad M5 M3 ...

Windows:

Windows XP, Win7, Win8, Win10 PC (with dual core processor CPU)

Working Power Supply

AC Adaptor output: Voltage 5V Output current 2A

Battery: Lithium-Ion Battery Pack: 7.4V, 1300mAh

Recharge time: ca. 2 hours(for full recharge)

Scan time: ca. 4 hours continuous scanning time

System Bootup: Less than 5 seconds

Working Environment







Ambient Temperature: 0°C-32°C

Relative Humidity: 30%-85%

Atmospheric Pressure: 700hPa-1060hPa



Multiple frequency probes

Probe Image	probe type	Model	Frequency (MHZ)	Frequency Range (MHZ)	Radius of Curvature	Application
	Convex	C5-2Fs	3.3	2-5	R50	Emergency Cardiac, Abdomen, Obstetrics/ Gynecology, Urology, Lung
	Convex	C5-2Ks	3.5	2.5-5	R60	Abdomen, Gynecology Obstetrics, Urology, Lung
	Linear	L11-4Ks	7.5	6-11	L40	Vascular, Small Parts, Breast, MSK, Nerve, Orthopedic, Anesthesia
	Linear	L11-4Gs	8.0	6-11	L25	Nerve, Anesthesia Vascular, Small Parts, Breast, MSK, Orthopedic
	Micro-convex	C8-5Ks	6.5	5-8	R15	Neonatal Abdominal, Small Parts, Neonatal Cardiac, Small Animals
	<u>Transvaginal</u>	E10-4Ks	6.5	5-8.5	R10	Obstetrics/Gynecology, Urology, IVF, Pelvic

Standard Configurations

Wireless system main unit

Convex Probe head

APP software

Power Adapter

Type-C cable

carrying case

24 months warranty since ex-factory date for main unit

12 months warranty since ex-factory date for probe heads

Contact US:

WuHan Youkey Bio-Medical Electronics Co., Ltd.

E-mail: info@youkeymedical.com

Web: www.youkeymedical.com