YJ-E30 Color Doppler Ultrasound scanner
Brief introduction

Image mode

✿B, B+B, 4B mode

✿B+M mode

✿CFM color blood flow pattern

✿B+CFM mode

✿PDI energy mode

✿PDI+B mode

✿PW mode

✿ B-tilt mode (Note: B-tilt is only applicable to high frequency linear probes less than or equal to 40mm)

✿3D mode (Optional)

Display: 15 inch LCD screen

Scanning mode: electron convex array, high frequency linear array, cavity, micro convex, rectum;

Scanning depth: 2-280mm

Operating frequency range: 2.0-12.0MHz

Probe interface: 2 automatic probe identification ports

Dynamic range: 80~280dB adjustable;

Display modes: B, B/B, 4B, M, CFM, CMF/B, PDI, PW, THI;

Application mode: abdomen, gynecology, obstetrics, superficial organs, pediatrics, urology, heart, blood vessels and other modes;

Imaging mode: full digital multi-beam formation, speckle noise suppression, tissue harmonic imaging, etc.

Sound output: mechanical index, thermal index real-time display, sound power adjustable and real-time display;

Gray level: 256;

Display depth: ≥280mm;

Pseudo-color processing: 16 pseudo-color coding options;

Gain adjustment: 8 segments TGC, B/M/D/C gain can be adjusted respectively, TGC curve can be displayed and automatically hidden;

Image processing: 5 levels of image optimization, edge enhancement, frame average, line average, focus optimization, noise suppression, gamma correction, squeeze curve, contrast, brightness adjustable, up and down, left and right flip;

Automatic optimization function: built-in multiple check types, according to different check types, preset the best image check conditions, reduce the adjustment operation keys;

Measurement and calculation: B mode conventional measurement, distance, circumference, area, volume, Angle, ratio, and shorthand rate, M mode conventional measurement, woman Department measurement, obstetrics measurement, cardiology measurement, urology measurement, PW measurement and other measurements.

Image annotation: alphanumeric input, adjustable annotation arrows, labels and comments, body markers, patient and hospital ids, etc.

Image storage: image storage, video storage, movie playback, solid state disk storage capacity ≥ 128G;

Patient data: medical record management, report query and printing, image and video output (hard disk, USB, optional DVD-RW), built-in ultrasound workstation;

Report page system: automatic report generation system, and full-screen characters in Chinese and English editing;

Interface: HDMI, VGA, USB, DICOM interface.

Support probe: electronic linear array CT7.5L40GN, electronic convex array CT3.5C60GN, electronic cavity CT6.5C10GN, electronic slightly convex CT3.5C20GN

Electronic convex CT6.5C8015, electronic convex CT7.5C8020, electronic rectal CT6.0L8064

Input voltage: 100-240V, 50/60Hz

19V,6A,DC adapter

Battery power supply: ≥1.5 hours (4.5 hours battery is optional) (Actual battery working time may vary according to the use environment)

Appearance size: 370mm×382mm×90mmm (length × width × height)

Weight ⩽ 6.5Kg

Transducer types

SL No	Probe Type	Picture	Radius/ Footprint	Frequency Range(MHz)	Human / vet	Clinical application
CT3.5C60GN	Convex		R60	2.0 MHz /3.0 MHz /3.5 MHz /4.5 MHz /6.0MHz	Both	Abdomen, Obstetrics, Gynecology, Kidney, Urology
CT7.5L40GN	Linear		L40	5.0 MHz /6.0 MHz /7.5 MHz /9.0 MHz /12.0MHz	Both	Vascular, Small parts, Muscleskeletal, Carotid, Nerve, Orthopedic
CT6.5C10GN	TV		R10	4.5 MHz /5.0 MHz /6.5 MHz /7.5 MHz /10.0MHz	Both	Gynecology, Obstetrics, Urology
CT6.5C8015	Micro Convex		R15	4.5 MHz /5.0 MHz /6.5 MHz /7.5 MHz /10.0MHz	Both	General small abdomen and cardiac Equine musculoskeletal and abdomens
CT3.5C20GN	Micro Convex		R20	5.0 MHz /6.0 MHz /7.5 MHz /9.0MHz /12.0MHz	Both	General small abdomen and cardiac Equine musculoskeletal and abdomens
CT7.5C8020	Micro Convex		R20	5.0 MHz /6.0 MHz /7.5 MHz /9.0MHz /12.0MHz	Both	General small abdomen and cardiac Equine musculoskeletal and abdomens
CT6.0L8064	Linear transrectal		L64	5.0 MHz /5.5 MHz /6.5 MHz /7.5MHz /10.0MHz	Veterinary only	Equine and bovine reproduction Equine musculoskeletal Fish-sexing, egg determination