

FULL DIGITAL COLOR DOPPLER ULTRASOUND SYSTEM

PCB-VIEW-01



ABOUT THE PCB-VIEW-01

Clarity in challenge — premium trolley Color Doppler with AI+.

The **PCB-VIEW-01** is a full digital Color Doppler ultrasound trolley system, engineered for hospital departments demanding the highest imaging fidelity and AI-assisted workflow. Powered by the **uSeed metadata beamforming** platform (CPU + GPU + FPGA) with **+50% computational speed** and **+30% heat-dissipation efficiency**, it delivers Supreme Imaging across cardiology, vascular, OB/GYN, abdomen, MSK and pediatrics.

Equipped with a **21.5" rotating Medical Display**, a **13.3" high-sensitivity touch screen**, an adjustable motorized console, **4 activated transducer connectors**, a detachable gel-warming cup, 1TB hard disk, DVD-R/W and 6 USB ports — the PCB-VIEW-01 streamlines every step of the exam workflow. Smart Matrix AI+ delivers automated diagnostic tools for ICU, vessel/MSK and pediatrics, while **Zonnect Imaging** (optional) enables real-time remote ultrasound diagnosis worldwide.

AVAILABLE CONFIGURATIONS

7 special transducer bundles.

CONFIG 1 • STANDARD

+1 pc **3C6CD Convex**
+1 pc **7L4CD Linear**

CONFIG 2 • + TRANSVAGINAL

+1 pc **3C6CD Convex**
+1 pc **7L4CD Linear**
+1 pc **6E1CDS Transvaginal**

CONFIG 3 · + CARDIAC

+1 pc **3C6CD Convex**
+1 pc **7L4CD Linear**
+1 pc **3P2CA Phased Array**

CONFIG 4 · TV + CARDIAC

+1 pc **3C6CD Convex**
+1 pc **7L4CD Linear**
+1 pc **6E1CDS Transvaginal**
+1 pc **3P2CA Phased Array**

CONFIG 5 · 4D OB/GYN

+1 pc **3C6CD Convex**
+1 pc **6E1CDS Transvaginal**
+1 pc **4V4CD Volume (4D)**

CONFIG 6 · 4D GENERAL

+1 pc **3C6CD Convex**
+1 pc **7L4CD Linear**
+1 pc **4V4CD Volume (4D)**

CONFIG 7 · FULL PACKAGE

+1 pc **3C6CD Convex**
+1 pc **7L4CD Linear**
+1 pc **6E1CDS Transvaginal**
+1 pc **4V4CD Volume (4D)**

OPTIONAL TRANSDUCERS

Add any probe to your configuration.

CONVEX TRANSDUCER

Model **3C6CD**
Abdomen · OB · Gynecology · Urology ·
General

LINEAR TRANSDUCER

Model **7L4CD**
Vascular · Thyroid · Breast · MSK ·
Superficial

TRANSVAGINAL TRANSDUCER

Model **6E1CDS**

Endocavity OB/GYN · IVF · Early pregnancy

PHASED ARRAY TRANSDUCER

Model **3P2CA**

Adult + Pediatric Cardiac · includes Extended Cardiac Package FREE

4D VOLUME TRANSDUCER

Model **4V4CD**

Volumetric 4D OB/GYN · includes Zlive 2.0 FREE

MICROCONVEX TRANSDUCER

Model **6C1CD**

Pediatric / Neonatal abdomen · Cardiac · Superficial

ACCESSORIES & SOFTWARE

Complete your system.

BATTERY PACKAGE

Built-in order before delivery — for outreach and bedside scanning without AC power.

ECG MODULE

Built-in order before delivery — for synchronized ECG tracing during cardiac exams.

PUNCTURE GUIDE ZNG-07

For 3C6CD Convex transducer — abdominal biopsy & guided intervention

PUNCTURE GUIDE ZNG-08

For 7L4CD Linear transducer — breast / thyroid / lymph node biopsy

PUNCTURE GUIDE ZNG-09

For 6E1CDS Transvaginal transducer —
oocyte retrieval, gynecology intervention

FOOT SWITCH

Hands-free freeze / capture / parameter
toggle — sterile procedures

VIDEO PRINTER

SONY-UP-X898MD thermal printer —
on-the-spot B-mode / Color / Doppler
print

ELASTOGRAPHY

Strain elastography software — only
available with Linear Transducer

EXTENDED CARDIAC PACKAGE

Free Steering M + Color M — **FREE**
when ordering with Phased Array
transducer

ZLIVE 2.0 RENDERING

4D lighting render module — **FREE** when
ordering with 4D Volume transducer

DICOM 3.0 PACKAGE

Full DICOM 3.0 — Store · Print · Worklist
· Storage Commitment · MPPS

ZONNECT IMAGING (OPTIONAL)

Remote ultrasound system — real-time
consultation, live teaching, training, AI-
assisted smart diagnosis

ERGONOMIC DESIGN

Efficient and fast workflow.

Premium trolley platform engineered for high-volume hospital workflow — adjustable motorized console, dual displays, integrated gel warmer and four universal transducer connectors.





21.5" / 23.8" MEDICAL LCD

Rotatable, stretched and folded medical-grade LCD monitor — multi-angle adjustment for any operator position.

13.3" HIGH-SENSITIVITY TOUCH SCREEN

55° max reversible touch screen with multi-angle adjustment — fast access to imaging modes and AI tools.



MOTORIZED ADJUSTABLE CONSOLE

Adjustable console height and keyboard rotation — supports multi-directional adjustment for seated or standing operation.



4 UNIVERSAL TRANSDUCER CONNECTORS

Four activated probe connectors — keep all your transducers plugged in and switch instantly between exam types.



REPLACEABLE PROBE HOLDER

Replaceable probe holders including exclusive holder for endocavity transducer — easy cleaning and disinfection.

DETACHABLE GEL WARMER

Detachable coupling agent heating cup — **37 °C / 40 °C optional** — improved patient comfort.

CONNECTIVITY & STORAGE

1 TB hard disk · DVD-R/W · 6 USB ports

Interfaces: Video · S-Video · HDMI · DVI · VGA · RS-232 · Ethernet · Audio in/out · DICOM 3.0 · Printer

SUPREME IMAGING HARDWARE

3× CPU · 16 GB RAM · 1 TB Storage

Faster mode switching, faster Doppler refresh, smoother real-time imaging.

BRAND NEW USED PLATFORM

The technology that powers PCB-VIEW-01.



The PCB-VIEW-01 is built on the brand-new **uSeed metadata beamforming** imaging technology platform — developed on **CPU + GPU + FPGA** heterogeneous computing architecture for hospital-grade Color Doppler performance. Images are saved as raw metadata for offline parameter adjustment after the exam.

USEED METADATA BEAMFORMING

CPU + GPU + FPGA heterogeneous computing — **+50% computational speed** and **+30% heat-dissipation efficiency** over the previous generation.

PIHI • PULSE INVERSE HARMONIC IMAGING

Reduces distortion of the fundamental wave and greatly improves signal-to-noise ratio — sharper images in technically difficult patients.

ZCLEAR • SPECKLE REDUCTION

Significantly reduces unwanted speckle while preserving tissue boundary and tissue echo — cleaner background for confident clinical diagnosis.

FCI • FREQUENCY COMPOSITE IMAGING

Combines fundamental and harmonic frequencies to improve detail and contrast resolution across the full depth range.

SCI • SPATIAL COMPOUND IMAGING

Better contrast resolution, reduced speckle noise, smoother homogeneous tissue imaging.

EFOV • PANORAMIC IMAGING

Extended field-of-view panoramic stitching with **+30% stability** — whole-organ visualization in one image.

ZONELAST ELASTOGRAPHY

Strain elastography **+50%** sensitivity improvement — breast, thyroid, lymph node, MSK applications.

GLAZING FLOW • DPDI • CONTRAST

Glazing Flow, Directional Power Doppler, contrast-enhanced ultrasound, Color M-Mode (CMM) — comprehensive Doppler toolkit.

SMART MATRIX AI+

Solving daily pain points for doctors.

ICU • FAST DIAPHRAGMATIC + CARDIAC

One-click diaphragmatic and cardiac parameters — faster weaning decisions and bedside cardiac assessment.

VESSEL + MSK • EASY

AI-guided vessel and musculoskeletal identification — **50% shorter learning curve** for new operators.

PEDIATRICS • ACCURATE

AI hip measurements (Auto Hip), **40% higher repeatability**, fewer missed or incorrect diagnoses.

CARDIOVASCULAR AI

Auto EF • Auto VTI • Auto IVC • Auto Vascular • Auto LV • CW • TDI • IMT • RIMT.

OB & GYN AI

Smart OB · Auto NT · Smart 3D · Auto Face · Zlive 2.0 · Basin bottom measurement · 3D/4D.

OTHER AI SOLUTIONS

Auto HRI · Auto Bladder · Auto B-Line · Auto Hip · Auto Diaph · Smart Nerve · Smart SMK.

SEAMLESS CARE

Your invisible assistant.

FEWER CLICKS, MORE PATIENTS

Dynamic Preview + Quick Recall — reduces steps by **60%**, enabling more exams per shift.

SECURE INSTANT SHARING

QR code and Bluetooth PDF transfer enable remote expert guidance in real time — between exam rooms, departments and facilities.

BEGINNERS BECOME EXPERTS

18 teaching planes + magnifier make scans precise and easy. **Ultrasound Assistant 2.0 + 5×5 cm Magnifier.**

ZWORK STREAMLINED WORKFLOW

zWork system streamlines ultrasound examinations — protocol-driven exam sequences, auto-saved measurements, structured reports.

ZONNECT IMAGING (OPTIONAL)

Professional remote ultrasound solution.

Redefining ultrasound diagnostics — enabling real-time expert support anytime, anywhere. Primary hospitals can initiate remote consultations through Zonnect Imaging; specialists can view live ultrasound images and guide on-site doctors in real time.

FIVE KEY TECHNICAL ADVANTAGES

- High transmission speed, low latency (<200 ms)
- Dual-way control
- Compatible with all major brands
- Compatible with Windows, Android, iOS
- Data security

SEVEN KEY FUNCTIONS

- Real-time expert consultation
- Asynchronous diagnosis
- AI-assisted smart diagnosis
- Remote scan guidance & control
- Image quality assurance
- Remote training & education
- Remote service & support

COMPREHENSIVE CLINICAL APPLICATIONS

Remarkable performance across specialties.

The PCB-VIEW-01 provides remarkable performance in **Abdomen, OB/GYN (incl. endocavity), Cardiology, Vascular, Urology, Small parts (Breast, Thyroid, etc.), Musculoskeletal, Pediatrics, ICU and Neurological intervention.**

Imaging modes: B · 2B/4B · M · AMM · Curved AMM · CM · CDFI · PDI · DPDI · CW · PW · TDI · 3D/4D · Glazing Flow

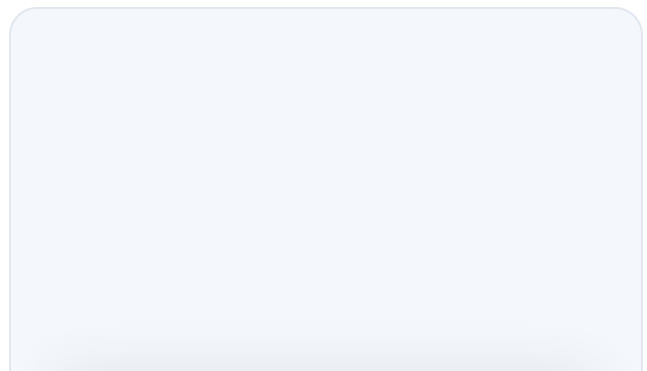
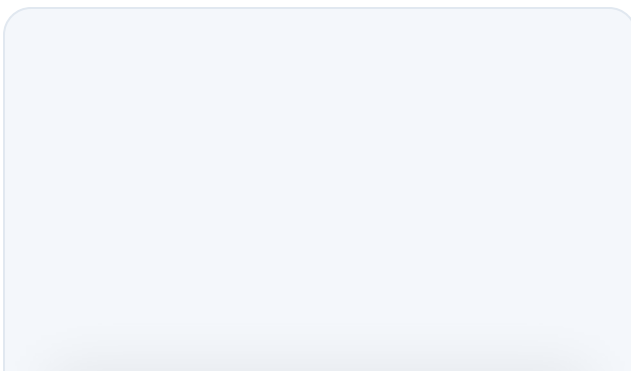
Measurement packages: Abdomen · OB & GYN · Cardiac · Vascular · Urology · Small organ

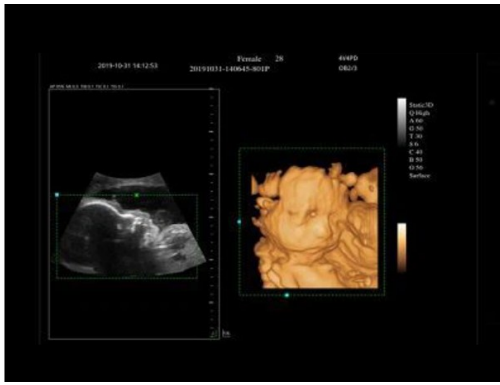
Modules: 4D module + CW module

Image technologies: EFOV · Panoramic · zonElast · SCI · FCI · zClear · PIHI · THI · TSI · Contrast-enhanced · IMT · RIMT · HR-Flow · Micro Blood Flow Imaging

CLINICAL IMAGES

Sample scans.





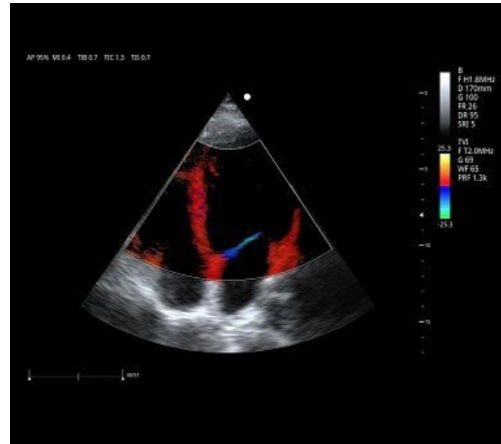
3D / 4D FETAL



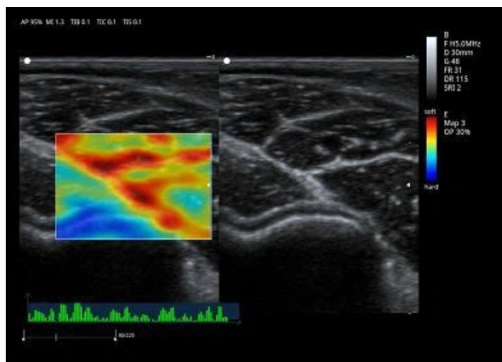
EARLY PREGNANCY



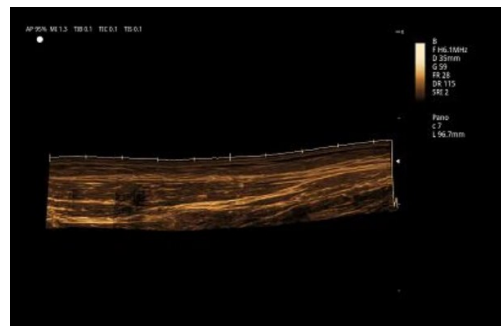
AUTO HRI / BLADDER



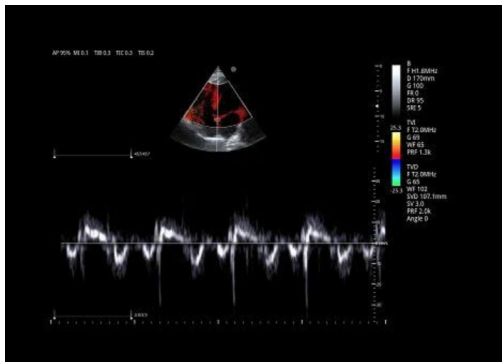
CAROTID COLOR FLOW



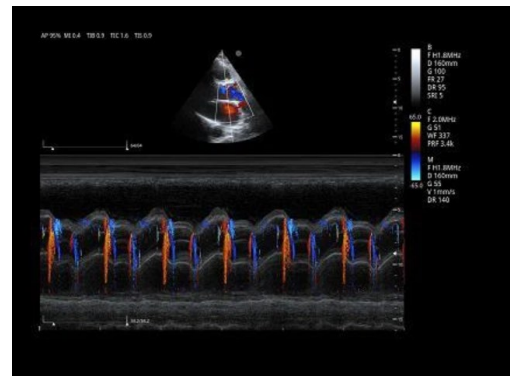
ZONELAST ELASTOGRAPHY



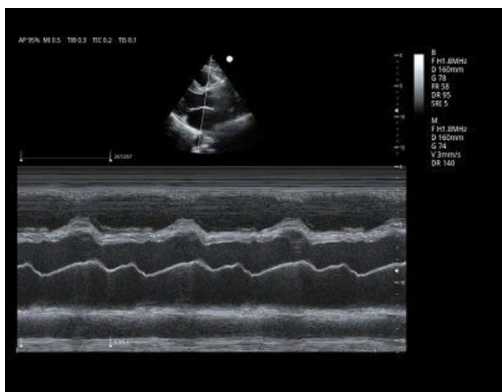
EFOV PANORAMIC



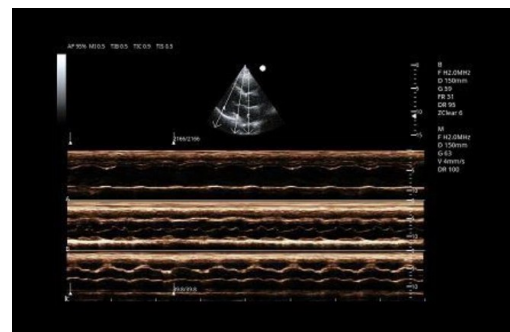
CARDIAC TDI



CARDIAC PW DOPPLER



CARDIAC M-MODE (AMM)



COLOR M-MODE (CMM)

WARRANTY

Factory warranty coverage.

2 YEARS • MAIN UNIT

2-year factory warranty on the PCB-VIEW-01 main unit from ex-factory date.

1 YEAR • TRANSDUCERS + BATTERY

1-year factory warranty on transducers and lithium battery from ex-factory date.