

PCB-VIEW-07



ABOUT THE PCB-VIEW-07

Master choice on portability — laptop-style Color Doppler.

The **PCB-VIEW-07** is a laptop-style portable Color Doppler ultrasound built around **uSeed metadata beamforming** — a CPU + GPU + FPGA platform that delivers **+50% computational speed** and **+30% heat-dissipation efficiency** over the previous generation. All images are stored as raw metadata for offline parameter adjustment after the exam.

At just **6.3 kg** with a built-in lithium battery, 15.6" medical LCD and **3 activated transducer connectors**, it ships with **3C5PDS convex + 7L4PDS linear** probes as standard and supports the full PCB probe family — convex, linear, transvaginal, phased-array, 4D volume, microconvex.

AVAILABLE CONFIGURATIONS

7 special transducer bundles.

Config 1 · Standard

+1 pc **3C5PDS Convex**
+1 pc **7L4PDS Linear**

Config 2 · + Transvaginal

+1 pc **3C5PDS Convex**
+1 pc **7L4PDS Linear**
+1 pc **6E1PDS Transvaginal**

Config 3 · + Cardiac

+1 pc **3C5PDS Convex**
+1 pc **7L4PDS Linear**
+1 pc **3P2PA Phased Array**

Config 4 · TV + Cardiac

+1 pc **3C5PDS Convex**
+1 pc **7L4PDS Linear**
+1 pc **6E1PDS Transvaginal**
+1 pc **3P2PA Phased Array**

Config 5 · 4D OB/GYN

+1 pc **3C5PDS Convex**
+1 pc **6E1PDS Transvaginal**
+1 pc **4V4CDS Volume (4D)**

Config 6 · 4D General

+1 pc **3C5PDS Convex**
+1 pc **7L4PDS Linear**
+1 pc **4V4CDS Volume (4D)**

Config 7 · Full Package

+1 pc **3C5PDS Convex**
+1 pc **7L4PDS Linear**
+1 pc **6E1PDS Transvaginal**
+1 pc **4V4CDS Volume (4D)**

All configurations include the PCB-VIEW-07 main unit with custom suitcase. Add optional accessories (puncture guides, foot switch, video printer, DICOM, Zonnect Imaging) to any package.

OPTIONAL TRANSDUCERS

Add any probe to your configuration.

Convex Transducer

Model **3C5PDS**
Abdomen · OB · Gynecology · Urology · General

Linear Transducer

Model **7L4PDS**
Vascular · Thyroid · Breast · MSK · Superficial

Transvaginal Transducer

Model **6E1PDS**
Endocavity OB/GYN · IVF · Early pregnancy

Phased Array Transducer

Model **3P2PA**
Adult + Pediatric Cardiac · includes Extended Cardiac Package FREE

4D Volume Transducer

Model **4V4CDS**
Volumetric 4D OB/GYN · includes Zlive FREE

Microconvex Transducer

Model **6C1PD**
Pediatric / Neonatal abdomen · Cardiac · Superficial

ACCESSORIES & SOFTWARE

Complete your system.

Puncture Guide ZNG-07

For 3C5PDS Convex transducer — abdominal biopsy & guided intervention

Puncture Guide ZNG-08

For 7L4PDS Linear transducer — breast / thyroid / lymph node biopsy

Puncture Guide ZNG-09

For 6E1PDS Transvaginal transducer — oocyte retrieval, gynecology intervention

Foot Switch

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

Custom Suitcase

Padded travel suitcase — included with every unit (also available as spare)

Rolling Trolley

Mobile trolley for clinic / floor use — ergonomic working height

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 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

Remote ultrasound system — real-time consultation, live teaching, training

ERGONOMIC DESIGN

Efficient and fast workflow.

Match the ingenious ergonomic design with the compact size — PCB-VIEW-07 has remarkable adaptability and can fit variable usage scenarios.



15.6" Medical LCD · 75° rotation

Medical-grade LCD monitor with 75° max adjustable angle. Wide viewing angle for bedside use from any position.

HDMI port

HDMI video output for external display, secondary monitor and image projection.

3 USB ports

Three USB ports for image export, accessory connection and printer interface.

Light-weight 6.3 kg

Compact portable footprint — moves between rooms, floors, ambulances and outreach campaigns.

Built-in Battery

Internal lithium battery as standard. **Removable** / hot-swappable for long outreach days.

Backlit Keyboard

Backlit keys for low-light scanning. **Splash-resistant protection film** for reliable cleaning and disinfection.

Probe holder removable

The probe holder is removable for cleaning, transport or alternative probe arrangements.

Various probe selection

Wide range of probes for clinical applications including Abdomen, Gynecology, Thyroid, Urology, Vascular, Cardiology, Musculoskeletal and Neurological intervention.

BRAND NEW USEED PLATFORM

The technology that powers PCB-VIEW-07.



The PCB-VIEW-07 facilitates accurate diagnosis based on **uSeed metadata beamforming** imaging technology platform. This brand-new platform is developed on **CPU + GPU + FPGA** heterogeneous computing technology. Images in the uSeed platform are saved as metadata for post-processing.

PIHI · Pulse Inverse Harmonic Imaging

PIHI reduces the distortion generated by the fundamental wave and greatly improves the signal-to-noise ratio.

ZClear

ZClear technology significantly reduces unwanted speckle, provides enhanced tissue boundary and tissue echo for confident clinical diagnosis.

Frequency Composite Imaging (FCI)

Combines the high penetration of fundamental frequency with the high resolution of harmonic frequency to improve detail and contrast resolution in both near and far field — providing the best image quality across the entire depth range.

Spatial Compound Imaging (SCI)

SCI provides better contrast resolution, reduces speckle noise and smoothes the imaging of homogeneous tissue — ideal for liver, breast, thyroid and superficial vascular.

COMPREHENSIVE CLINICAL APPLICATIONS

Remarkable performance across specialties.

The PCB-VIEW-07 provides remarkable performance in **Abdomen, Gynecology (including endocavity), Obstetrics, Cardiology, Small parts (Breast, Testes, Thyroid, etc.), Urology, Musculoskeletal and Peripheral vascular**. A variety of imaging modes brings a comprehensive clinical application:

Display: B-Steer · TSI · THI · SCI · FCI · Biopsy Function

Vascular/MSK: Auto IMT · Auto Trace · Panoramic Imaging · Elastic Imaging · EFOV

Cardiology: Auto EF · PW · CW · TDI · AMM · Curved AMM · CMM

OB & GYN: Auto OB · Auto NT · 3D/4D · ZPage · ZLive · Auto Follicle

SPECIALTY MODES

Advanced diagnostic features.

Radiology · zMicroFlow

Enhances the visualization of micro-vascular or complex flow patterns, especially in small vessels.

Radiology · Intelligent Blood Flow Tracking

Intelligently identifies the location of blood vessels. Continuous tracking of blood flow, with real-time optimization to achieve better blood flow visualization.

Cardiology · AMM

AMM allows up to three sampling lines to be placed at any angle, facilitating multi-directional observation of ventricular wall movement.

Cardiology · Auto EF

Recognizes the myocardial intima during the diastolic and systolic period and calculates the ejection fraction automatically — reduces the operator steps and improves work efficiency.

OB/GYN · Auto OB

Automatic identification of obstetric standard sections and automatic measurement (BPD · HC · AC · FL, etc.).

OB/GYN · Auto Follicle

Automatically identifies and calculates the size of follicles — essential for IVF cycle monitoring.

OB/GYN · ZLive

Leveraging ray-casting and innovative virtual lighting, ZLive renders highly realistic fetal visuals featuring lifelike skin textures.

WARRANTY

Factory warranty coverage.

2 years · Main Unit

2-year factory warranty on the PCB-VIEW-07 main unit from ex-factory date.

1 year · Transducers + Battery

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