

# CV Series CV45/CV40

Intelligence Enhances Confidence

With Auto functions that save time, AI tools that enhance diagnostic accuracy, and Acuity Imaging that ensures crystal-clear clarity, this ultrasound solution is designed for everyday clinical practice—making advanced performance accessible to clinics everywhere.

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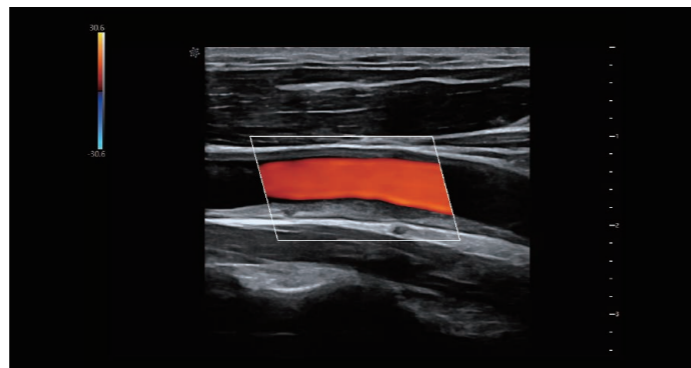
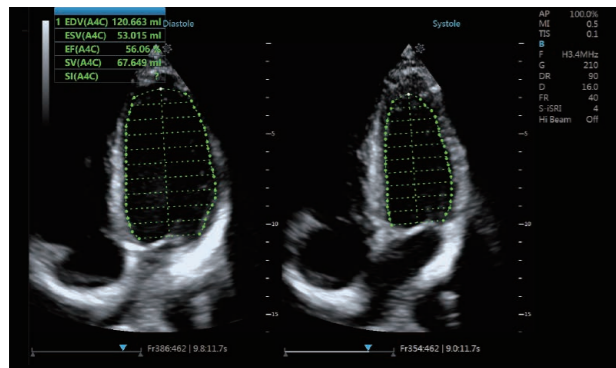


LinkedIn

Trust  
Efficiency  
Confidence



**Auto** Automation Improves Efficiency

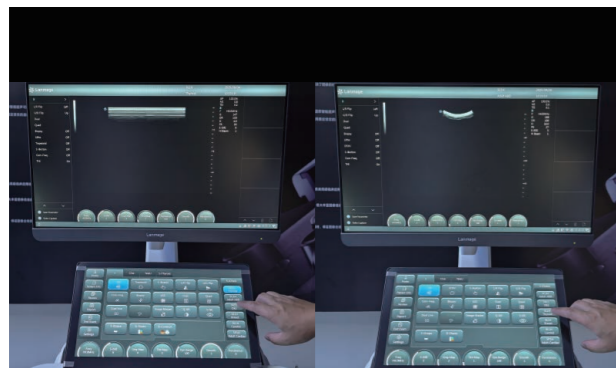


**Auto EF – Cardiac Efficiency Redefined**

- Smart capture: Identifies ED and ES phases automatically, delivers results in 3 seconds.
- Accurate & flexible: High precision with optional manual fine-tuning.
- Proven impact: Trial results show 65% faster exams and 15% higher inter-observer

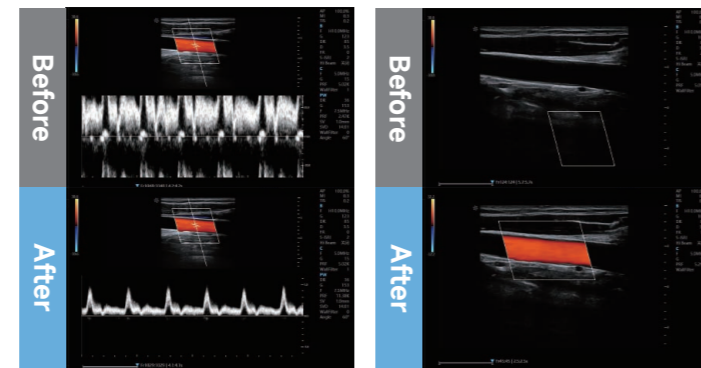
**S-iAFT – Intelligent Doppler Optimization**

- 1-second setup: Auto adjusts sample box size, position, and angle.
- Signal clarity: Optimized gain and filtering improve blood flow visualization by 20%.
- Efficiency: Exam time reduced by 60%, fewer rescans needed.



**S-iCheck – One-Touch Memory Navigation**

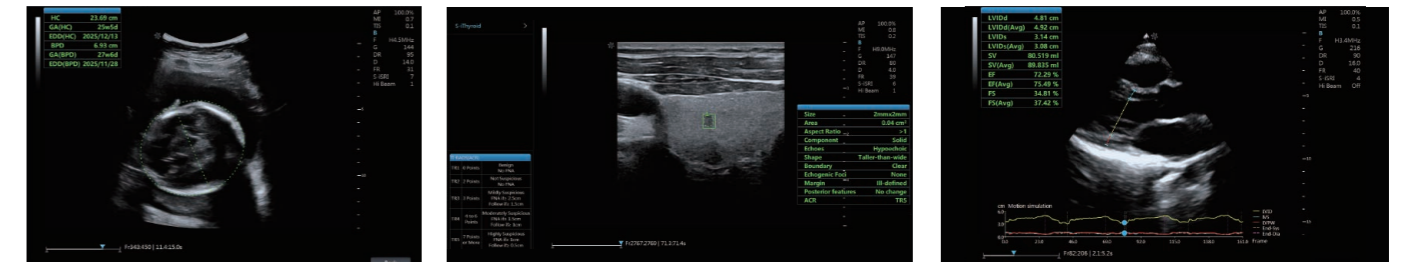
- Quick recall: Instantly loads preferred probe & mode.
- Workflow boost: Prep time reduced by 40%, smoother operation.



**S-iButton – One-Key Optimization**

- Instantly optimizes 2D, Color, and Doppler images to diagnostic standards, ensuring clarity in every case.

**AI** Smarter Diagnosis, Greater Confidence



**S-iOB – Smart Obstetrics**

- Automates standard plane capture and measurement, boosting OB efficiency by 66%.
- In follow-ups, it automatically compares prior data and highlights growth trends, reducing manual effort.

**S-iThyroid & S-iBreast – AI-Powered Nodule Assessment**

- Auto plane capture: Key lesion slices saved automatically.
- Quantitative analysis: Measures lesion size, volume, and composition (solid, cystic, calcified).

**S-iEF & S-iCall – Heart & Vessel Intelligence**

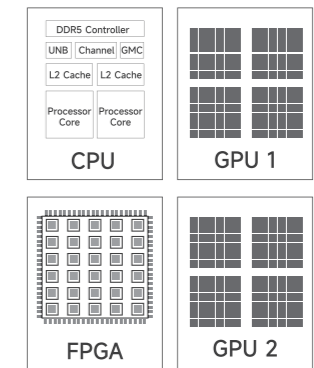
- Smart annotation: Automatically labels septum, LV, wall, and vessels.
- Workflow boost: Heart analysis time 70% shorter, vascular exam 80% shorter.
- Clinical aid: Generates motion trend graphs and standardized vascular protocols for confident assessment.

**Acuity Imaging** Crystal-Clear Imaging Platform

**TrueView Multi-Core Platform (CPU+GPU+FPGA)**

High-end architecture in a clinic-friendly system.

- Real-time AI & imaging processing.
- Balances resolution, penetration, and detail.
- Future-ready for advanced applications.



**TrueView**

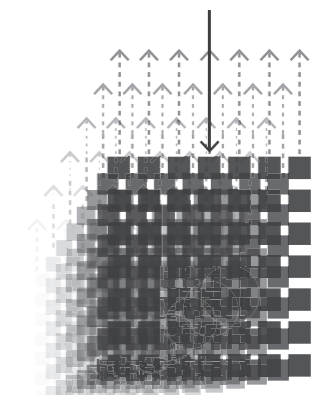
CPU, FPGA, and dual GPU multi-core imaging

**Imaging Master – Smarter Optimization**

- Adaptive parameter adjustment for contrast, detail, and low noise.
- Multi-specialty support (cardiology, vascular, thyroid, breast, OB).
- Reduces rescans and manual adjustments—diagnosis gets the focus, not the settings.

**N-FOCUS – Global Dynamic Focusing**

- 32x beamforming: Sharper boundaries and microstructure visibility.
- Dynamic focus at all depths: Clear, uniform imaging from superficial to deep tissue.
- Improves structure recognition accuracy by 70%.



**N-Focus**

Spatial domain imaging