LIVING TECHNOLOGY

ZONARE

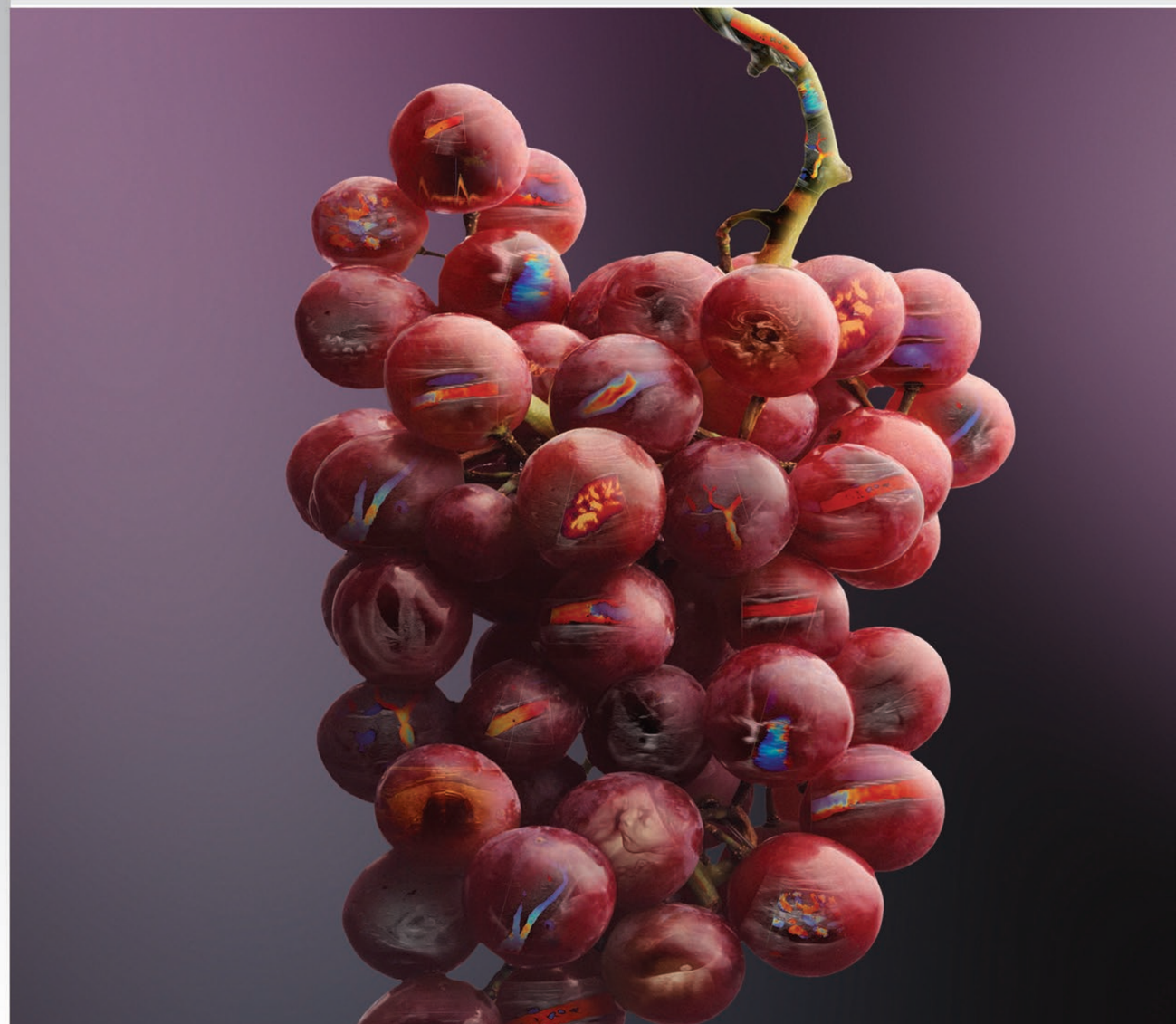
Z.One PRO Ultrasound System	Sonography	Echocardiography
Outer Dimensions/Weight	51 (W) * 72 (D) * 128 ~ 157 (H) cm / 66 kg	51 (W) * 72 (D) * 128 ~ 157 (H) cm / 66 kg
Monitor	17-inch OLED (1280 * 1024 pixel resolution)	17-inch OLED (1280 * 1024 pixel resolution)
Imaging Formats	Convex / Linear / Phased / Micro-Convex / Curved Phased Vector Format / Image Width - User selectable width and positioning	Convex / Linear / Phased / Micro-Convex / Curved Phased Vector Format / Image Width - User selectable width and positioning
Image Storage	500 GB H.D.D internal memory	500 GB H.D.D internal memory
Electrical Capacity	100 - 240 VAC / 50 - 60 Hz / 180 W - without peripherrals	100 - 240 VAC / 50 - 60 Hz / 180 W - without peripherrals
Imaging Modes	B-Mode, M-Mode, Auto-Optimize with ZST Color Doppler, Power Dopple, Directional Power Doppler Pulsed Wave Doppler, Dupplex & Triplex, Dual Screen Compound Harmonics, Tissue Harmonie Imaging (THI) Contrast Enhanced Ultrasound, Elastography	B-mode , M-mode, Auto-Optimize with ZST Color Doppler, Power Doppler, Directional Power Doppler Pulsed Wave Doppler, Continuous Wave Doppler, Tissue Doppler Imaging (TDI), Tissue Harmonie Imaging (THI) Compound Harmonics, Contrast Enhanced Ultrasound Dupplex & Triplex, Dual Screen
Connectivity	DICOM, HDMI Connector, USB flash 4 ports, DVD/CD R/W Ethernet, SATA Connection, Wireless capable via optional bridge	DICOM, HDMI Connector, USB flash 4 ports, DVD/CD R/W Ethernet, SATA Connection, Wireless capable via optional bridge
System Features Hardware	4 Transducers Storage (3 Active Transducer Connectors) Hi-fidelity Stereo Speakers, Ergonomic Keyboard Compressed Nitrogen Jack	4 Transducers Storage (3 Active Transducer Connectors) Hi-fidelity Stereo Speakers, Ergonomic Keyboard Compressed Nitrogen Jack
System Features Software	Fast boot time : less than 30 sec.	Fast boot time : less than 30 sec.

ARKAN ARA CO.

Tel : 021 81060

ZONARE MEDICAL SYSTEMS INC.

Address : California, USA



Z.ONE PRO
ULTRASOUND SYSTEM

At ZONARE, we live to make ultrasound better FOR YOU.

THROUGH LIVING TECHNOLOGY,
WE'LL GROW WITH YOU INTO THE FUTURE.

COMPACT & BENEFICIAL

Pushing the Boundaries of Ultrasound with Affordable & Powerful Performance

The Z.One PRO is an affordable high performance system, which offers stellar image quality as a durable, small footprint unit.
As with all of our imaging platforms, it is based on proprietary ZONE Sonography™ Technology (ZST), the core component of " Living Technology ", ZONARE's unique and revolutionary approach that allows for continuous upgrades over the life of the system.

Throughout a wide range of applications, the Z.One PRO is your ultrasound solution.

The Z.One PRO offers a wide range of transducers covering many applications. Our Living Technology will grow you into the future by increasing your clinical value and protecting your investment while providing significant advantages.

- Stellar Image Quality
- Affordable High Performance
- Durable, Small System footprint
- Customizable Configurations
- One-Touch Easy Optimization
- Intuitive User Interface
- High-Speed Boot-Up
- Optional Battery Pack
- Wireless Capabilities

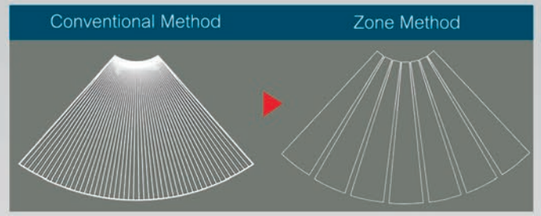
Redefining Ultrasound Imaging

Innovative Technologies Elevate Ultrasound Imaging to a Higher Dimension

"Z.One PRO" is equipped with a "sound speed correction" function based on ZONE Sonography™ Technology, which redefines ultrasound imaging. It offers high-resolution clear imaging as well as automatic & consistently high-quality images.

Reverse Conversion : ZONE Sonography™ Technology (ZST)

In a general ultrasound system, the sound speed within a patient's body is determined based on physical factors.
Therefore, the thinner the beam becomes, the more time required for data collection, resulting in a constraint on improving image quality ZONE Sonography™ Technology runs counter to this accepted practice of ultrasound imaging. It transmits a broad ultrasound beam to rapidly collect data instantly makes possible a new, advanced image processing environment.

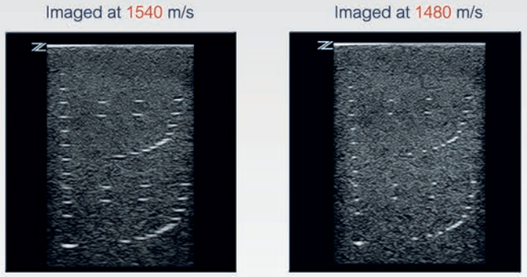


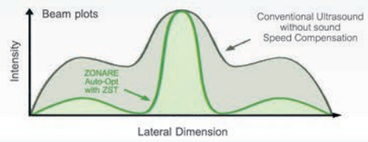
Advanced Image Processing Using : Channel Domain Processing Software

Software enforced beamforming is now possible. High-quality ultrasound images are realized by advanced image processing of extensive echo data collected by probe element accumulated in the using software.

Improved Image Resolution with Auto - Opt with ZST (Sound Speed Correction)

By using advanced image processing technology, the optimum ultrasonic propagation speed within the patient's body (sound speed) is inferred & images are developed High - quality images can be acquired consistently even during the ultrasound examination of breasts, which can present major difference depending on the individual physical consitution.





What is "sound speed correction"?
The resolution in the lateral dimension deteriorates due to a difference in sound speed. By correcting this & carrying out optimization, the resolution in the lateral dimension is improved.

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Image Gallery - Echocardiography

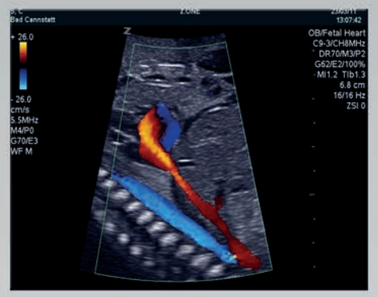
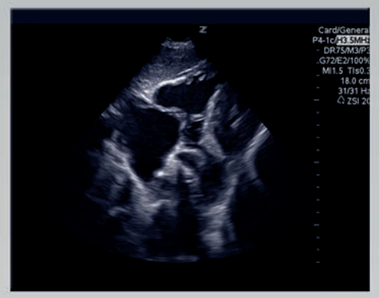
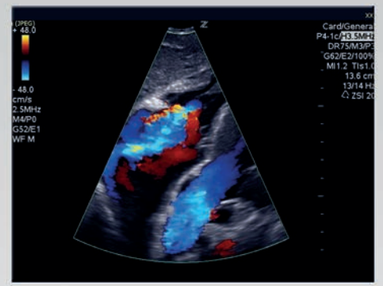
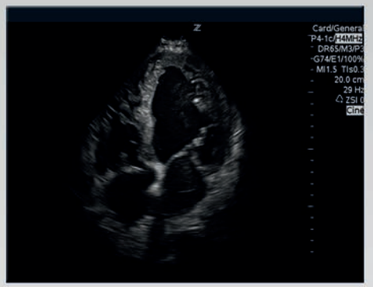
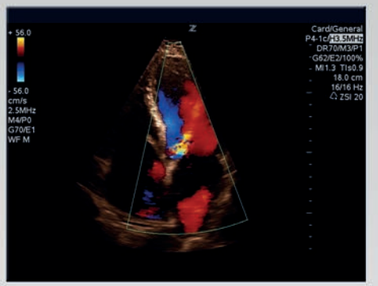
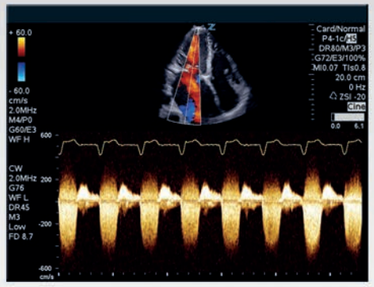
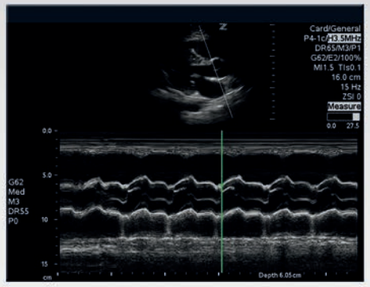
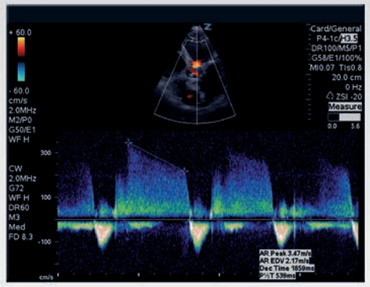
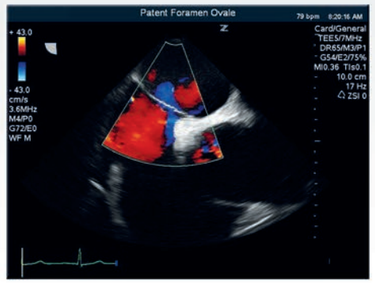
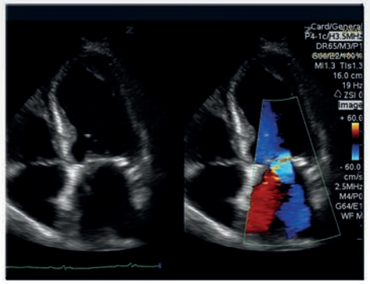
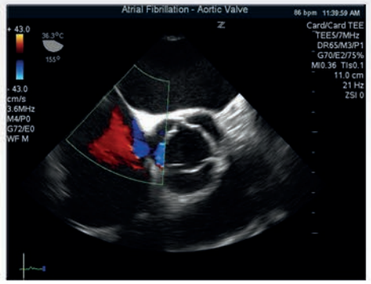
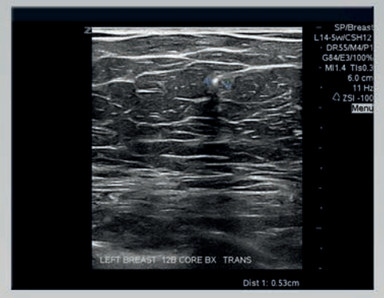
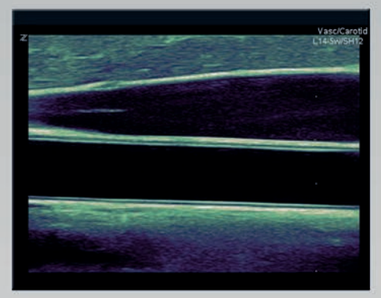
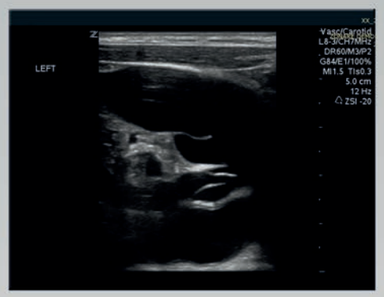
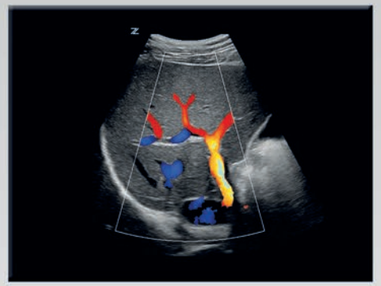
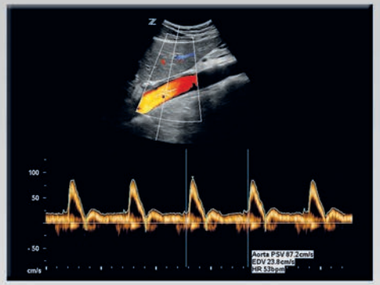
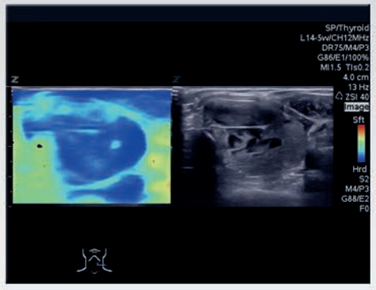
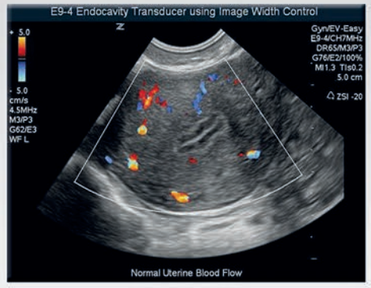
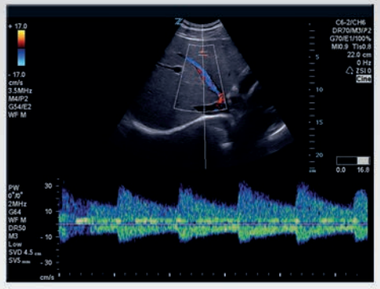













Image Gallery - Sonography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WE'LL GROW WITH YOU INTO THE FUTURE.

Family of Transducers

Advanced Transducer Technology from ZONARE - " Available on Z.one PRO "

The transducers are lightweight and ergonomically designed to offer easier imaging access, increased operator comfort, and greater overall clinical impact across all patient types.

New transducer technology, wide bandwidth imaging, and multiple frequency imaging with an expanded range of frequencies including Compound Harmonics.

These features provide :
- Increased sensitivity and resolution
- More clinical information and expanded applications

	**P4-1c Phased Array** Applications : Echocardiography, Transcranial Imaging/Doppler, Trauma (FAST Exams), Deep Abdominal, Abdominal Vascular, Renal, Aorta, Contrast Enhanced Ultrasound (CEUS).		**L14-5w Linear Array** Applications : Small Parts, Musculoskeletal, Nerve Blocks, Pediatric Hips, Ocular, Superficial Anatomy, Contrast Enhanced Ultrasound (CEUS), Needle Guide Available.	
	**C10-3 Curved-Phased Array** Applications: Neonatal Head, Neonatal Abdominal, Pediatric Echo, Pediatric Abdominal, General Cardiology, Ocular.		**C4-1 Curved Array** Applications : Abdominal, Abdominal Vascular, Obstetrics, Fetal Heart, Gynecologic, Trauma(FAST exams), Contrast Enhanced Ultrasound(CEUS), Needle Guide Available.	
	**P8-3TEE Phased Array** Applications : Transesophageal Echocardiography.		**C6-2 Curved Array** Applications : Abdominal, Abdominal Vascular, Obstetrics, Fetal Heart, Gynecologic, Contrast Enhanced Ultrasound (CEUS), Needle Guide Available.	
	**A2 Continuous Wave** Applications : Adult, Adolescent Echocardiography.		**C9-3 Curved Array** Applications : Obstetrics (all trimesters), Pediatric/Small Adult Abdominal Imaging, Fetal Heart and Peripheral Vascular Imaging, Needle Guide Available.	
	**A5 Continuous Wave** Applications : Peripheral Vascular.		**E9-4 Endocavity** Applications : Endovaginal and Endorectal, Needle Guide Available.	
	**L8-3 Linear Array** Applications : Peripheral Vascular, Nerve Blocks, Pediatric Hips, Needle Guide Available.		**E9-3 Endoccacvity** Applications : Endovaginal and Endorectal, Needle Guide Available.	
	**L10-5 Linear Array** Applications : Small Parts, Musculoskeletal, Nerve Blocks, Pediatric Hips, Superficial Anatomy, Ocular, Needle Guide Available.		**L14-5sp Linear Array** Applications : Intraoperative, Neonatal, Infant, Pediatric Patients, Ocular, Needle Guide Available.