Medisono offers quality products to the medical imaging market. We offer different solutions tailored to the needs of each patient, offering the best value to every single patient. We strive to increase the efficiency of the facilities, by reducing waste and minimizing costs.

To attain these objectives we focus in innovation, efficiency and economic sustainability.

**Vision**
Provide a great product that improves the life of those who use it.

**Values**
Quality, Compromise, Excellence, Innovation, Efficiency.
This portable device, Digital Ultrasonic Diagnostic Imaging System, is a high resolution linear/convex scanning diagnostic apparatus.

**Features**

**Applied technologies:**
Tissue Specific Imaging (TSI), Tissue Harmonic Imaging (THI), Digital Beam-Forming (DBF), Dynamic Receiving Focusing (DRF), Real-time Dynamic Aperture (RDA), Dynamic Frequency Scanning (DFS), and Dynamic Apodization.

**Display modes:**
B, B+B, 4B, B+M, and M.

**Measurement and calculation functions:**
- B-mode generic measurement and calculation: Distance, circumference, area, volume, ratio, % stenosis, and angle;
- M-mode generic measurement and calculation: Time, slope, and heart rate.

**File management:**
It supports local disk and removable disk storage. USB 1.1 interface enables fast image uploading to your computer in the real-time mode. It has a 56 MB storage capacity.

**Operation:**
The folding keyboard designed with trackball is easy and convenient for various types of operation. In addition, 10” non-interlaced progressive display and diverse probes are adopted to provide a clear and stable image.

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**Operation:**
The folding keyboard designed with trackball is easy and convenient for various types of operation. In addition, 12.1” LCD and diverse probes are adopted to provide clear and stable images.
P5

Created to be a high value B/W cart-based system. The 15” LCD monitor with articulated arm and high configuration make P5 outstanding in the B/W ultrasound market. Standard three sockets are freely available for fifteen transducer choices, supporting a wide range of clinical applications.

**Features**

**Excellent Ergonomic Design:**
The high resolution 15” LCD monitor with an articulated arm. Ultra large 160mm x 160mm imaging area provides more comfortable viewing experience and more accurate diagnosis for various applications. Slim and mobile cart-design ensures A8 fits into tight space and bedside.

**Powerful Documentation Abilities:**
PC compatible PDF report function lets the diagnostic findings more concise for sonographers while the diagnostic report are clearer for patients. Full patient database solutions: hard disk, DVD, 4 USB2.0 ports, DICOM3.0 and AV/MP3 format. Fifteen available transducer choices support a wide range of applications: General, Radiology, OB/GYN, Urology, Pediatric, Musculoskeletal, etc.

**Ease and Efficiency of Exams:**
M-tuning optimizes the image quality at the touch of one button. This function significantly reduces operating time and improve the consistency and accuracy of diagnosis. Clipboard function for quick patient image capturing and reviewing enables users to retrieve and read previous images immediately on the screen. Digital measurement hotkeys endowed with user-definable formula offer efficient onekey reproduction measurements. 180° transvaginal transducer makes no more tough work both for doctors and patients in the endo-cavity and stable image.

P10

Characterized by a compact lightweight design with user-centric workflow, the P10 delivers on the need for highly portable easy-to-use ultrasound.

**Features**

**Applied technologies:**
The P10 is a portable Diagnostic Ultrasound System, which applies advanced technologies such as Phased Inversion Harmonic Compound Imaging (eHCl), Multi-Beam-Forming (mBeam), Speckle Resistance Imaging (eSRI), and Spatial Compounding Imaging, etc. Various image parameter adjustments, 12.1 inch LCD and diverse probes are configured to provide clear and stable images. Multi-language displays 256 gray scale. Two probe sockets.

**Display modes:**
B, B+B, 4B, B+M, M, B+PW, B+Color, B+Color+PW, B+PDI / DPDI, B+PDI / DPDI +PW.

**Generic Measurements and Calculations:**
B/Color Mode: Distance, Cir/Area (Ellipse/Trace), Volume (2-Axis/3-Axis), Ratio, % Stenosis, Angle, and Histogram.
M Mode: Distance, Time, Slope and Heart rate (two cycles).
PW Mode: Velocity, Heart Rate, Time, Acceleration, Resistance Index (RI), Pulsatility Index (PI) and Auto (auto trace).
P11 is a full function hand carried Color Doppler system that can be widely used in clinical practice. Medisono has developed this system to satisfy all the basic clinical requirements as Radiology, Cardiology, OB/GYN, Vascular and Small parts. With the help of powerful software packages, professional transducers, built-in battery and other user-friendly designs, P11 makes it possible for doctors to serve patients anywhere and anytime without compromise.

Premium Features

- 15 inch LCD anti-glare screen: provide clear image from any angle
- 2 universal transducer sockets for quick transducer switch during scanning
- Abundant connection interfaces: DICOM 3.0, USB port, VGA, S-video, and ECG.
- Built-in Li-ion battery for continuous scanning more than one hour
- With the slim and compact trolley, the P11 Expert can also be used in a stationary way

The P11 Expert is a full-featured portable color Doppler unit from Medisono, designed in a new powerful lightweight architecture to meet all your high performance application requirements, from volumetric 4D with superior rendering capabilities, to cardiovascular exams including adult and pediatric multi-plane transesophageal echocardiography (TEE).
As an easy-to-use ultrasound system, P12 is integrated with new software platform specially optimized for smooth workflow and convenient operation. The system will speed up doctor’s exam process and make file management much easier.

**Features**

Smart patient file management: Easy to retrieve patient image and data at any time; Complete DICOM system; Save, Storage Commitment, MPPS, Print, Worklist, advanced file transmission/management; Full data solutions: 320G Hard drive, USB ports, VGA, S-video, DVD RW, LAN port, thermal printer support.

Flexible user-defined function, function keys, icons, measurement, report, comment, layout…

Support external USB laserjet printer

**Various Diagnostic Applications:**

General Practice: Abdominal, OB, GYN, Vascular, Urology, Small Parts
Support Linear, Convex, Microconvex, Transrectal, Trans-vaginal, Intraoperative, Phased array transducers
Post-saved image measurement and calculations
Professional report for different exams: Abdominal, OB, GYN, Small Parts, etc.

**Advanced Color Doppler System:**

Color Flow Mode
Power Doppler
Pulsed Wave
Spatial Compound Imaging
Continuous Wave (optional)
Panoramic Imaging (optional)

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The newest color Doppler system from Medisono, is specially designed for full range applications, including Radiology, Cardiovascular, OB/GYN and others. As a workflow enhanced ultrasound systems, P25, combining 17” monitor with touch panel together, will provide the most smoothly workflow which doctors have never experienced before.

**Innovative Ergonomic Design**

17” high resolution widescreen LCD with articulated arm to minimize the fatigue of eyes and shoulders during daily scanning.

The smart touch screen providing the fastest way to adjust parameters and control the system.

Convenient front and back handles and four wheels with lock can be used for transportation with high mobility.

Standard four sockets are universal for all types of transducers, including the special probes like TEE, 4D, Bi-plane and Intraoperative transducers.

**High Quality Noise Filter:**

HQNF technology can efficiently reduce Doppler signal noise of ultrasound system, providing improved color flow and spectral Doppler images.

**Multi-beam Parallel Processing Technology**

Multi-beam parallel processing technology can enhance lateral and time resolution, so that it can dramatically help the diagnosis of cardiovascular disease and also lays a good foundation on real-time 3D imaging.

**μ-Scan**

μ-Scan uses real-time image processing algorithm to eliminate speckle and noise artifact, enhancing tissue margins and borders by correcting discontinuity between different regions allowing improved visualization of real tissue information.

**M-tuning**

M-tuning is one button image optimization technology, providing you quick B-mode and Spectral Doppler image optimization by clicking one button.

It can shorten examination time and ensure optimal results and more accurate diagnosis.

**Real-time 3D(4D)**

This premium technology is often used in obstetric ultrasonography, providing real time three dimensional images of the fetus. Many high-end features, such as multi-slice and clip plane, will help you make detailed and accurate analysis.
Medisono continues to step forward to add value and efficiency to ultrasound technology. The P25 Expert was designed as a user-friendly platform to address the current and future needs in women’s healthcare. The ergonomic design and mobility of the P25 Expert are not only convenient for doctors, but also help provide comfort for patients during examinations.

**Pulse Inversion Harmonic Imaging**

By transmitting two ultrasound waves which have the opposite phase, PIH can offset the fundamental wave and double the harmonic wave so that we can reduce noise and clutter and keep the harmonic wave maximized. Thus the user can achieve a better contrast resolution in visualizing subtle lesions, small parts, vascular and so on.

**Compound Imaging**

Utilizing deflection sound beams and various frequency ranges, this technology will superimpose the images. This results in optimal resolution, speckle reduction and border detection, allowing the image to have better clarity and improved continuity of structures, especially in superficial and abdominal imaging.

**µ-Scan**

Our new generation µ-Scan technology greatly improves the visibility of organs and lesions. The high-definition contrast resolution will suppress speckle artifacts while maintaining real tissue architecture.

**High-Class Volumetric Probe**

Wide Scanning Angle Endo-Cavity Probe
Flexible User-Defined Keys
Ultrasound-Guided Puncture
Outstanding 3D/4D Imaging Quality
Excellent 2D Image Quality even in the Color Mode
Real-time Panoramic Imaging
High Sensitivity of Blood Flow
Trapezoid Imaging
Enhanced Workflow
Powerful Patient Information Management System
Customized Preset Functions
M-Tuning One Button Optimization
This portable device, Digital Ultrasonic Diagnostic Imaging System, is a high-resolution linear/convex scanning diagnostic apparatus.

**Features**

**Applied technologies:**
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- Digital Beam-Forming (DBF), Dynamic Receiving Focusing (DRF),
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**Operation:**
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- In addition, 12.1” LCD and diverse probes are adopted to provide clear and stable images.
Characterized by a compact lightweight design with usercentric workflow, the P10V delivers on the need for highly portable easy-to-use ultrasound.

**Features**

The P10 is a portable Diagnostic Ultrasound System, which applies advanced technologies such as Phased Inversion Harmonic Compound Imaging (eHCI), Multi-Beam-Forming (mBeam), Speckle Resistance Imaging (eSRI), and Spatial Compounding Imaging, etc. Various image parameter adjustments, 12.1 inch LCD and diverse probes are configured to provide clear and stable images.

- Multi-language displays
- 256 gray scale
- Two probe sockets

**Display modes:**

- B, B+B, 4B, B+M, B+PW, B+Color, B+Color+PW, B+PDI/DPDI, B+PDI/DPDI +PW.

**Generic Measurements and Calculations:**

- B/Color Mode: Distance, Cir/Area (Ellipse/Trace), Volume (2-Axis/3-Axis), Ratio, % Stenosis, Angle, and Histogram.
- M Mode: Distance, Time, Slope and Hear Rate (two cycles).
- PW Mode: Velocity, Heart Rate, Time, Acceleration, Resistance Index (RI), Pulsatility Index (PI) and Auto (auto trace).

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Medisono P11V Expert will provide the best clinical solution for veterinarians. P11V Expert is a high-end portable color Doppler system, it is incorporated with a lot of latest ultrasound technologies, such us Tissue Doppler Imaging, Anatomic M mode, and Panoramic Imaging and so on, which are rarely seen on veterinary ultrasound system. The advanced imaging technologies, friendly ergonomic designs and powerful veterinary software packages make P11V Expert an unique professional VET ultrasound. Medisono will commit to provide best products for the harmonious relationship between human beings and our animal friends.

**µ-scan Technology**

- Tissue Doppler Imaging
- Steer M mode
- Panoramic Imaging

**The Main Features**

- 15-inch anti-glare LCD monitor
- CFM, PDI, PW, CW, Steer M mode
- THI, TDI, Panoramic Imaging, Volumetric 4D Imaging
- IMT (intima-media thickness) measurement
- DICOM worklist, USB port, VGA
Features

High definition anti-glare display
Portable, robust, battery operated
Lightweight design to reduce neck / hand strain
Ergonomic design to easily switch hands or animal sides
Bovine, Equine, Ovine, Canine and Feline Software