

MediSono

HIGH QUALITY **ULTRASOUND**
AND DIAGNOSTIC SOLUTIONS



MS55 PLUS

Digital Color Doppler Ultrasound System
High technologies in daily routines

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MS55 Plus adds high technologies in daily routines

Medisono Specific Plus new platform offers new advanced technologies expanding diagnostic capability in all clinical applications.

22"
LED Screen

Articulating
arm

Innovative
Keyboard

13"
Touch Screen

MS55 Plus combines the best of performances capabilities across the entire ultrasound chain:

- The Hardware part is designed with a high-speed CPU with low power consumption offering superb imaging quality with increased sensitivity and more accurate anatomical structure detection.
- Availability of all the transducer technologies from traditional layer to single Cristal and multi-frequency technologies
- New applications software activating all standard imaging performances with all probes and making standards the advanced technologies according to the required clinical application.

FLEXIBILITY

MS55 Plus is fully configurable according to the requested diagnostic application. The system can offer high-end features in all traditional applications such as General Imaging, Cardio, OB/ GYN, and as well the Interventional and new POC applications.

Flexibility and performance can be updated through dedicated software which keep the system at the top of the results for both the operator and the patient maximising the return on the investment

WORKFLOW

The **M55 Plus** offers a new design balance between ergonomics and the availability of accessories, functions, size and system mobility.

The ability to accurately adjust the height of the keyboard and orientation of the 22" high-resolution LED monitor ensures comfort and efficiency in daily routine.

The innovative Keyboard includes all the essential functions of the routing exams and leaves the selections of the more complicated functions to the 13" touch screen panel providing efficiency in the workflow.

The Ergonomic design, the 5 probe connectors, the full connectivity, and the workflow driven by an easier software interface reduced and simplified movements during the examination outcoming better comfort for the user and patients.

Imaging solution for any need

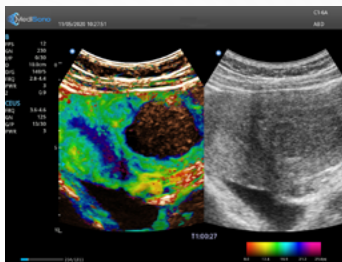
Excellent Image quality and colour sensitivity with advanced technologies



SNRT (Speckle noise reduction technology) Gallbladder Polyp



Slow Flow Doppler -Kidney PDI



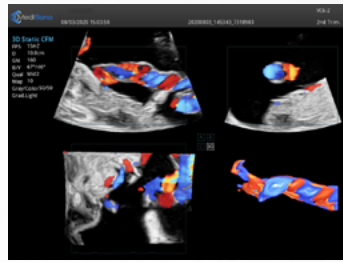
Color Contrast Media perfusion time Liver Contrast Media



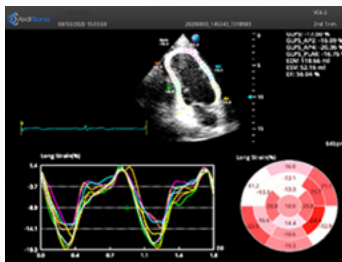
Auto Face Fetus 4D



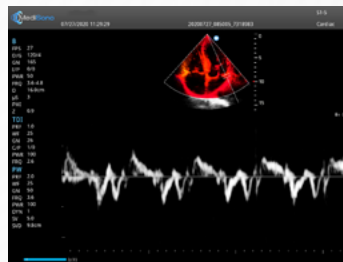
3D/4D detailed visualisation-Fetus early pregnancy



Colour 3D/4D Umbilical Cord flow



Myocardium Quantitative Analysis Strain Rate



TDI Image+PW Cardiac 4 Ch

- **SNRT** (Speckle noise reduction technology) SW, increasing details and enhancing border uniformity
- **Slow Flow doppler** in CFM and in PW mode for high sensitivity.
- **Bright Flow**-like colour Doppler flow strengthens boundary definition of vessel walls.
- **Contrast Media Imaging** with a display of a small bubble population trace
- **Colour Contrast Media Perfusion Time** parametric indicating the uptake time of contrast agents in different perfusion phases.
- **Strain Elastography**, Real-time tissue stiffness assessment.
- **Needle enhancement** provides enhanced visibility of the needle shaft and needle tip for interventional procedures.
- **3D/4D detailed visualisation** of subtle anatomical features with a movable virtual light source, and transparent volume image for a more comprehensive internal and external view of the anatomy
- **Colour 3D** with CFM and Power Doppler mode with advanced rendering.
- **Auto NT** provides semi-automatic and standardized measurements of the nuchal translucency thickness in a 2D image.
- **Auto Face** optimizes 3D fetal face display for easier diagnosis of the anomalies, by removing occlusions and artifacts.
- **AVC Follicle** for automatic follicular calculation.
- **Pelvic Floor** Imaging working in conjunction with specialized transvaginal probes.
- **Tissue Doppler Imaging** (TDI) TDI to view of myocardial movement indicating velocity and direction.
- **Stress Echo** to conduct stress echo exams.
- **Myocardium Quantitative Analysis** (MQA)
- **Auto EF** to calculate ejection fraction based on left ventricular wall tracing and Simpson's rule.
- **Auto IMT** makes the measurement of anterior and posterior intima-media thickness.

CONNECTIVITY

Quick and easy data sharing and data access. Images and clips can be stored in real time, reviewed, exported in different formats and printed on USB and/or PC printers and full compatibility with PACS networking.

Ultraview is a simple, PACS compatible, image viewing software for clinical department and hospital use. It allows to view and store images for remote and multi-disciplinary diagnosis. By providing an intuitive, easy-to-use solution, hospitals and clinics are able to train their staff quickly yet thoroughly; improving efficiency, job satisfaction and patient.



Imaging suite for any need

GENERAL IMAGING - RADIOLOGY

- Superior 2D Image quality and high penetration.
- CFM-PW Doppler with high sensitivity
- Slow doppler flow-Bright Flow
- Elastography
- Needle enhancement for interventional procedures
- Wide range of multifrequency probes
- Wide-view angle endocavity probes
- High-Frequency probes of up to 17MHz
- Contrast Media Imaging with wash-in/out curve
- Full connectivity

OB/GYN

- Superior 2D Image quality with Linear and Convex probe
- 3D / 4D imaging
- Wide view angle trans-vaginal probe
- Complete OB/GYN measurement software
- Real-Time Temperature Control with IVT probe
- 3D/4D detailed Visualisation
- Colour 3D
- Auto Face
- AVC follicle

UROLOGY

- Superior 2D Image quality
- Biplane Trans-rectal probe
- Complete urological measurement software.

EMERGING APPLICATION

- Support Emergency, ICU/CCU
- Anaesthesia applications
- Trapezoidal imaging technology and Panoramic imaging
- High Frequency probes of up to 17MHz
- Needle enhancement and Biopsy guide
- Internal battery

CARDIO-VASCULAR

- Superior 2D Image and CW Doppler sensitivity
- TDI , Anatomic M-mode,
- MQA Myocardium Quantitative exams -Strain rate
- Stress Echo Incorporated
- Cardio-Vascular, measurement software
- MSK/Sports medicine, Breast, Angiology and Vascular, etc

OTHER APPLICATION

- MSK/Sports medicine, Breast, Angiology and Vascular, etc.



A complete selection of multifrequency probes and complete set of special probes as, IVT ,TRT, TEE, Biplane TRT with frequencies of up to 17 MHz, increase versatility and performance in General imaging, OB/Gyn, Shared Service, Small parts and POC applications.

All probes and biopsy kits are lightweight and ergonomically designed to deliver premium performance and user comfort



Is an American company delivering High Quality, Reliable imaging solutions with the highest industry standards in service and post-sales assistance. Our expertise in healthcare comes from over 35 years of healthcare experience ensuring we understand and anticipate your needs.

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Specifications subject to change without notice. For further details, please contact your Medisono sales representative.

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High Quality Imaging Solutions - American Service and Reliability