



MS55 PLUS

Digital Color Doppler Ultrasound System

Advanced technologies in daily routines

MS55 Plus the forefront of ultrasound examinations

Medisono's Specific Plus new platform offers **new advanced technologies** expanding diagnostic capability throughout multiple clinical applications.

Experience exceptional proficiency at every stage of the ultrasound process:

- High-speed CPU with low power consumption for better imaging quality, increased sensitivity, and increased accuracy in anatomical structure detection.
- Comprehensive range of transducer technologies, from traditional layer to single crystal and multi-frequency options.
- New application software that activates standard imaging performance with all probes and advanced technologies, customized for specific clinical requirements.

FLEXIBILITY

The **MS55 Plus** system is fully configurable to suit your specific diagnostic needs, making it a versatile tool for various medical applications. The system boasts high-end features for traditional applications, including General Imaging, Cardio, OB/GYN, as well as Interventional and new POC applications.

Through dedicated software updates, the **MS55 Plus** maintains its high-end features and peak performance, ensuring optimal results for both the operator and patient. As a result, this state-of-the-art system maximizes the return on investment, providing healthcare practitioners with a reliable tool for delivering exceptional care.

WORKFLOW

With a focus on ergonomics, functions and accessory availability, this system is equipped to handle a range of diagnostic applications with ease. All features are aimed at increasing ease of use and comfort for the user whilst maximizing patient comfort.

The ability to accurately adjust the height of the keyboard and orientation of the 22" or 24" high-resolution LED monitor ensures comfort and efficiency in daily routine.

This workflow-driven design simplifies the examination process, reducing unnecessary movements and enhancing user and patient comfort. Its 13" touchscreen panel provides an accessible approach to all complex functions.

CONNECTIVITY

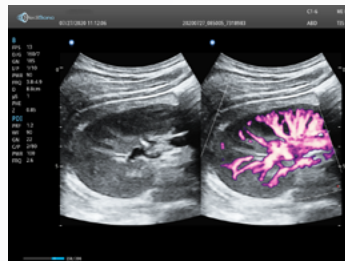
With accessibility and streamlined data-sharing at the center of modern healthcare needs, the **MS55** delivers both. Images and clips can be stored in real-time, reviewed, and exported in a range of formats, as well as printed on USB and/or PC printers. The system is fully compatible with PACS networking, ensuring seamless integration into existing hospital and clinic networks.

Additionally, Ultraview, a PACS-compatible image viewing software, allows for the viewing and storage of images for remote and multi-disciplinary diagnosis, promoting collaboration among healthcare professionals.

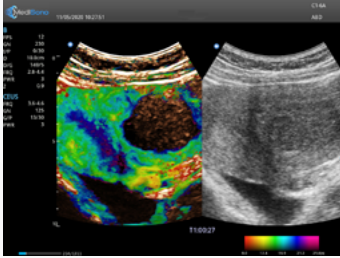




SNRT (Speckle noise reduction technology) Gallbladder Polyp



Slow Flow Doppler - Kidney PDI



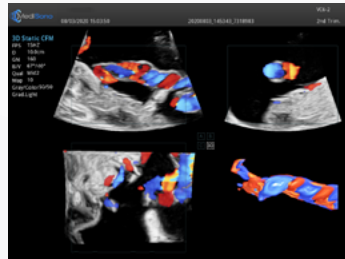
Color Contrast Media perfusion time Liver Contrast Media



Auto Face Fetus 4D



3D/4D detailed visualization-Fetus early pregnancy



Colour 3D/4D Umbilical Cord flow

An imaging solution for any need

Enhanced Image quality and color sensitivity with advanced diagnostics technologies

- **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 30 fetal face displays 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.

Tailored 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

OTHER APPLICATION

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

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

MS55 offers a complete selection of multifrequency and special probes including, IVT ,TRT, TEE, and Biplane TRT with frequencies of up to 17 MHz, increased versatility and performance in General imaging, OB/Gyn, Shared Service, Small parts and POC applications.

Developed with user comfort in mind, they are lightweight and ergonomically designed, ensuring that operators can perform extended examinations without any discomfort, ultimately contributing to improved patient care.



High Quality Imaging Solutions
- American Service and Reliability

