PORTABLE ULTRASOUND SYSTEM EXPERT CLASS — CLOVER 60

Clover 60 is a modern, expert-class portable ultrasound system designed for advanced diagnostic imaging. It offers comprehensive scanning modes equivalent to stationary systems, ergonomic construction and design, a highly durable housing, and broadband imaging technology across all scanning types.
The device is suitable both for urgent examinations and for specialized studies of the cardiovascular system, internal organs, and the musculoskeletal system. The system comes equipped with multiple probes, a 15” LED display, two probe ports, a full package of clinical applications, as well as innovative tools for image processing and interpretation.
Clover 60 is the lightest HCU (Hand-Carried Ultrasound) in the world with two active probe ports.

Accurate visualization has become an essential tool of modern ultrasound diagnostics and a key element in ensuring precise evaluation across multiple clinical areas. Clover 60 was designed with the specific needs of physicians in mind.
As a result, we integrated the highest imaging quality in its class into an ultra-lightweight system, delivering exceptional ease of use and an intuitive control platform. Most importantly, we fulfilled the requirement:
“Ensure high-precision diagnostics anytime and anywhere.”

SYSTEM SPECIFICATIONS

Model: Portable Ultrasound System Clover 60
Manufacturer: Shenzhen Wisonic Medical Technology Co., Ltd (PRC)

General Information:
Multipurpose combined digital ultrasound platform for general, abdominal, cardiovascular, musculoskeletal, vascular (including transcranial), pediatric (including neonatal) examinations.

Monitor: 15” high-resolution LED display

Storage:
240 GB SSD with built-in patient database / Image and cine-loop storage / Post-processing and review tools

Housing: Reinforced magnesium alloy chassis

Imaging Modes:
B-mode / Full Imaging (full-size image without quality loss) / M-mode / Tissue Harmonic Imaging / Color Doppler / Power Doppler (incl. directional) / HPRF / PW Doppler / CW Doppler

Advanced Image Processing:

- **SCI** – Spatial Compound Imaging combining multiple scan angles to reduce artifacts such as side lobes, reverberations, mirror artifacts; minimizing shadowing, shape distortion, and speckle noise
- **T-SSI** – Real-time acoustic signal reducing speckle noise and artifacts at every stage of image formation; in addition to automatic settings, manual adjustments allow selecting the desired optimization level to achieve tomographic-grade image quality
- **One-Key** Optimization – Automatic optimization based on anatomical characteristics with a single button
- **Ultra-wide Steer Angle** – Expanded field of view

Interfaces: HDMI / 3× USB 2.0 / 3× USB 3.0 / Wi-Fi

Weight: < 5 kg

Battery: Up to 2 hours of active operation

System Boot-Up Time: < 5 seconds from power-off state

Zoom: Real-time and freeze-frame magnification up to ×10

Packages of Clinical Applications

- **Pain Management** – All optimization and measurement tools required for regional anesthesia
- **Emergency Medicine** – Full diagnostic support for emergency conditions, including FoCUS, POCUS and BLUE protocols
- **General Imaging** – Including abdominal studies and vascular assessment in Doppler modes
- **Small Parts Imaging** – Mammary glands, thyroid, vascular studies of the neck including Doppler modes
- **Musculoskeletal Imaging** – Including vascular studies of extremities with Doppler
- **Urology** – Including vascular Doppler assessment
- **Gynecology** – Including vascular Doppler assessment
- **Obstetrics** – Vascular studies in Doppler modes with optional 3D/4D imaging
- **Angiology** – Dedicated protocol package for major and peripheral vascular examinations, including Doppler modes
- **HOLO™ PW** – Supports 3 independent PW Doppler sample gates in real time. After freeze, sample volume can be moved freely for more accurate stenosis assessment within the same cardiac cycle.
- **Extended Cardio Package** – Full cardiac assessment including chamber dimensions, myocardial thickness, valve evaluation, and pericardial effusion
  - **TDI** – Tissue Doppler Imaging
  - **AMM** – Anatomical M-mode with flexible angle control
  - **Color M-mode**

Standard Configuration

Probe	Frequency	Elements	Field of View	Depth
Convex C5-1	1-5 MHz	128	54° (ExFOV 70°), Radius 60 mm	3-30 cm
Linear L15-4	4-15 MHz	192	38 mm, Beam steering ±30°, 1° step	1-12 cm
Phased Array P4-1	0.5-4.4 MHz	64	90°	3-30 cm
Endocavitary EV10-4	4-10 MHz	128	150°	1-12 cm

Accessories

- Transport trolley
- Carrying case
- Triple-port probe selector (simultaneous connection of 3 probes)

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