

PHILIPS EPIQ ELITE



ABOUT

The Philips EPIQ Elite Ultrasound System redefines diagnostic imaging with cutting-edge technology designed to handle complex exams across multiple specialties, including general, cardiac, and Ob/ Gyn. Built on the advanced nSight Plus Imaging Architecture, the EPIQ Elite delivers superior image clarity, faster processing, and enhanced workflow efficiency. Its ergonomic design and intuitive interface reduce sonographer strain, while innovative tools like MicroFlow Imaging HD and Anatomically Intelligent Ultrasound (AIUS) elevate diagnostic confidence. Ideal for high-volume clinical environments, the EPIQ Elite combines performance, versatility, and user-centric features to streamline patient care.

FEATURES

- **nSight Plus Imaging Architecture:** Next-generation beamforming for 40% faster processing and exceptional image quality.
- **MicroFlow Imaging HD (MFI HD):** Doubles sensitivity and resolution for precise blood flow visualization.
- **Anatomically Intelligent Ultrasound (AIUS):** AI-driven automation for reproducible analysis and advanced quantification.
- **PureWave Transducer Technology:** Scans technically difficult patients with clarity across 14 transducer options.
- **Flow Viewer:** 3D-like vascular mapping using Doppler signals (transducer-specific).
- **HD MAX Display:** 24-inch full-HD screen with 1 million extra pixels for unparalleled detail.
- **SmartExam Systems:** Guided protocols reduce exam time and improve consistency.
- **Auto Doppler:** Cuts adjustment steps by 68% for efficient flow analysis.
- **Ergonomic Design:** 720° adjustable control panel and monitor to reduce sonographer fatigue.
- **Lightweight & Portable:** 29% lighter than the iU22, with 45-minute battery life for bedside mobility.



SPECIFICATIONS

PHYSICAL SPECIFICATIONS

Display: 61 cm (24-inch) HD MAX screen (16:9 aspect ratio).

Weight: 29% lighter than Philips iU22 (exact weight not specified in documentation).

Portability: Sleep mode enables 30-second boot-up; includes transport wheels.

PERFORMANCE

Processing Speed: 40% faster throughput with GPU-powered nSight Plus Architecture.

Transducers: Compatible with 14 transducers, including C5-1, eL18-4, and mL26-8 for multi-specialty use.

Image Optimization: Next Gen AutoSCAN improves uniformity and reduces adjustments by 54%.

IMAGING MODES

MicroFlow Imaging HD: 2x sensitivity over standard MFI.

Super Resolution MVI: 200% resolution improvement for microvascular imaging.

Liver Fat Quantification (LFQ): Noninvasive NAFLD/NASH screening.

Elastography: Full-solution tissue stiffness analysis.

WORKFLOW & ERGONOMICS

Tablet-like Interface: 40–80% less reach and 15% fewer steps.

Flexible Control Panel: 83% more rotation and 35% height adjustment.

Collaboration Live: Multi-party remote consultation (up to 6 users).

SAFETY & COMPLIANCE

EMC Standards: Meets international electromagnetic compatibility requirements.

Security: Defense-in-depth cybersecurity protocols.