# Confidence.
## At the speed of life.

**Philips Flash Ultrasound System 5100** Point of Care

# Because the point of decision is now

From someone new to ultrasound to the most experienced ultrasound user, everyone needs fast, accurate information at the point of care. Flash 5100 POC delivers our top-of-the-line performance and intuitive workflow in a system designed to meet the rigors and pace of point-of-care (POC) environments.

First we made it smart, with the exceptional image quality other Philips systems are known for, along with advanced capabilities. Then we designed it for the way you like to work at the point of care, with built-in exam guidance and a compact footprint.

**Confidence at the speed of life? It all happens in a Flash.**

# The right care pathway, right now

Offers a wide range of study types, providing versatility across various clinical scenarios for diagnoses supported by first-time-right images that help you quickly get patients on the right care path.
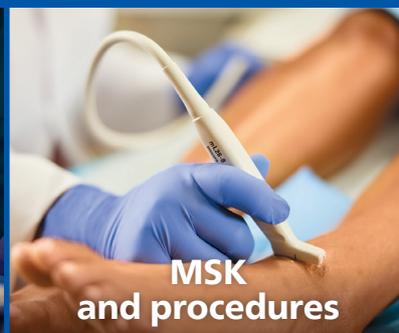
Emergency medicine

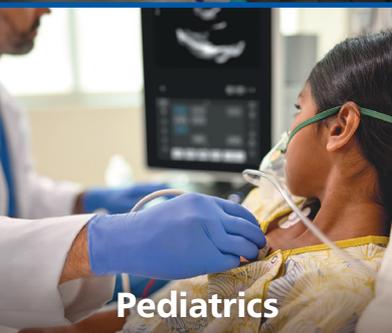Critical care

Anesthesia

MSK and procedures

Pediatrics

Cosmetics

Labor and delivery

Interventional radiology

## Top performance

Empowers users of varying experience levels with built-in intuitive guidance so they can efficiently perform exceptional imaging to accelerate a confident diagnosis at the POC

## Tailored design

Delivers the quality imaging you expect from high-end carts in a simplified format with vertical design, next-step guidance and battery life that's purpose-built for POC workflows and highly durable in POC environments

## Trusted partner

Meets today's POC challenges and can accommodate tomorrow's innovations with a future-ready system that is built to last, supported by ongoing clinical education and valuable service and support

# Speeds exams for fast answers

Advanced features such as algorithms that support you in performing fast, high-quality exams. The system offers a broad selection of presets to meet your needs and also offers the opportunity to customize presets.

This system has undergone rigorous durability testing for a 7-year lifecycle to ensure reliable performance day in, day out.[1]

**Simplified, touch-based interface and automation features for intuitive operation**
with built-in guidance, AutoStrain EF and post-processing controls that allow for greater flexibility during time-sensitive exams

**91% of users**
found the built-in next-step guidance beneficial for both less experienced and advanced users[1]

**IPX2-certified control panel for reliability**
offers large, easy-to-use buttons and knobs, providing tactile feedback to enhance workflow

**Handles that can be positioned for easy maneuverability**

**Maintenance-friendly hardware architecture**
brings a rugged design featuring an automotive-grade aluminum structure with quick boot up time

**Clear battery status indicator, LED bar**
and long battery life for up to 2 hours of scanning

**Keep cables organized**
and off the ground with integrated above-screen transducer rack

**Large 21.5 inch touchscreen**
with antiglare glass for optimal visibility can be operated even while gloved

**Experience enhanced needle visibility**
with needle visualization that sharpens appearance of the needle shaft to tip

**Flexible data management**
through order- and encounter-based workflow (OBW/EBW) for seamless connection to hospital information systems, including Qpath,* PACS, Admit/Discharge/Transfer (ADT), EMR and ultrasound orders

**Multiple storage options**
with flexible, modular storage at the front or back

**The power of PureWave and xMatrix transducers**
for exceptional image quality

**93% of users**
valued the flexibility of choosing between the touchscreen and control panel for intuitive operation[1]

*Sold separately.

# Top performance for point of care

Flash Ultrasound System 5100 POC delivers the exceptional ultrasound imaging performance Philips is known for. Images with high frame rate, uniformity and clarity – driven by optimization-based algorithms – accelerate a confident diagnosis that can help you get your patients on the right care pathway faster than you may have thought possible.

## mL26-8 for excellent visualization

The compact, award-winning* Philips mL26-8 linear array transducer allows you to image from eye to nerve and other superficial structures, all with the same transducer.

- **70% improvement in penetration** in superficial applications[†]
- **Up to 33% improvement in lateral resolution** in superficial applications[†]

## The power of PureWave and beyond

Premium PureWave crystal technology provides exceptional image quality, depth of penetration and resolution for accurate diagnosis across various patient types. The system is also compatible with a range of Philips advanced xMatrix and non-PureWave transducers.

**Compatible with Philips S5-1, C5-1, eL18-4, and X8-2t and X7-2t xMatrix TEE transducers.**

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**xRes and SonoCT** algorithms improve image quality and reduce noise and artifacts

**AutoStrain EF** enables a robust, reproducible GLS and EF measurement with a single button push

**Transducers with PureWave crystal technology** enhance visibility by revealing details of fine structures

**Needle visualization** algorithms guide accurate needle placement, even in technically difficult patients

**iScan intelligence** for quick, one-button optimization of images and Doppler signals

**Auto Scan** automatically identifies tissue type and continuously adjusts image gain

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*Awarded "Best Innovation Award" in General Imaging by Journées Francophones de Radiologie (2023).
†Compared to the predecessor L15-7io transducer on Affiniti at 0.5 cm.

# Tailored design for the way you work

Expect the reliable image quality of Philips high-end carts but in a simplified design that's purpose-built for POC ultrasound workflows for confidence and speed of diagnosis.

Intelligent automation simplifies workflows, streamline calculations and reduce button pushes. The touchscreen interface, ergonomic control panel and intuitive data management minimize the learning curve.

- **Move effortlessly between Philips ultrasound systems** for a familiar user experience
- **Incredibly responsive touch-based interface** for smooth workflow

**Comprehensive post-processing** controls empower users to fine-tune images for optimal results
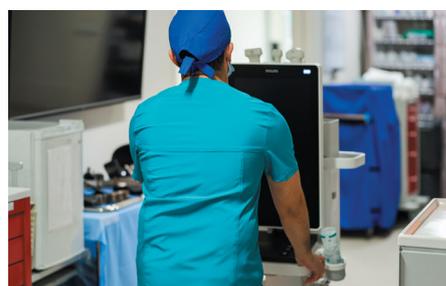
**93% of users** appreciated the intuitive design of the user interface for everyday efficiency[1]



Infection-prevention-friendly, with a large touchscreen designed for cleanability and easy disinfection as well as a special cleaning mode with system lock.



Monitor transducer holder keeps cables organized and off the ground.



Portable, compact cart glides in and out of tight spaces.

## Made for POC

POC environments are tough, and this system can take it. The caster wheels remain intact even after covering more than a half-marathon distance on a treadmill. The system remains fully functional even after 60,000 brake lock-unlock cycles and 30,345 control panel and display adjustments per system.

## Put to the test[2]

**13,459 hospital bumps per system** (including treadmill and threshold impacts)
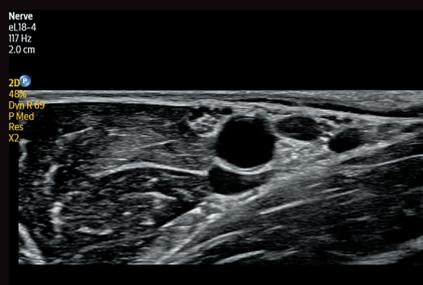
**3,570 wall crashes per system**

**3 hours of vibration testing** according to IEC60068-2-64 standards

## Exceptional imaging with POC workflow



Abdominal ultrasound of kidney and liver with C5-1 transducer
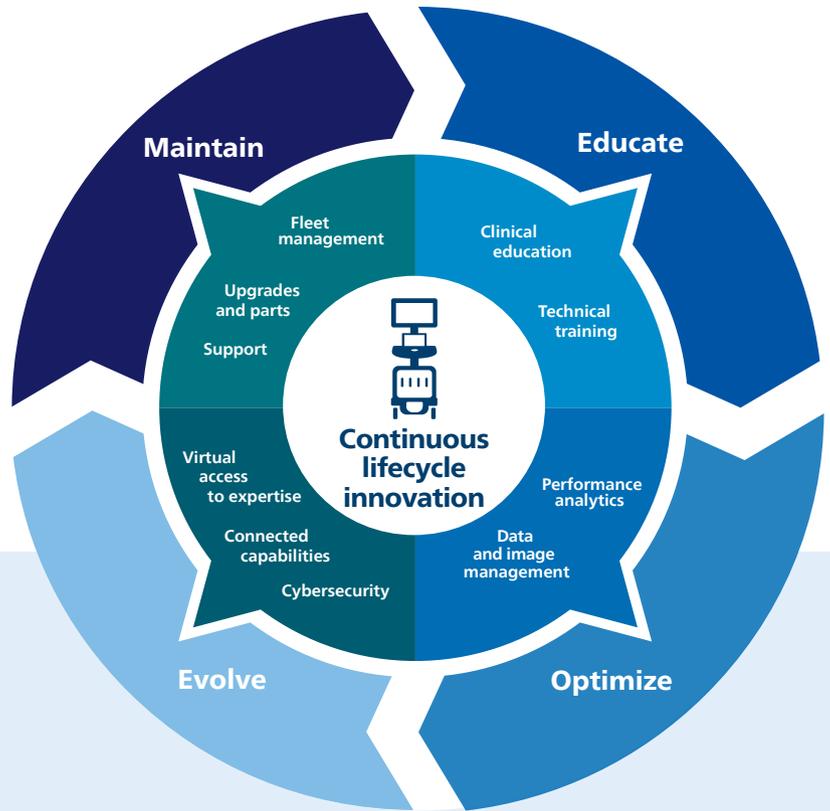


Nerve axillary with eL18-4 transducer



Adult echo apical 4ch ECG with S5-1 transducer

# Trusted partner now and in the future

Meet today's POC challenges and accommodate tomorrow's innovations. The system is built on 30 years of ultrasound technology and 130 years of Philips experience in high-quality medical imaging. It leverages proven Philips expertise in general imaging, cardiovascular imaging, women's health and more – all to help you treat your patients with confidence.
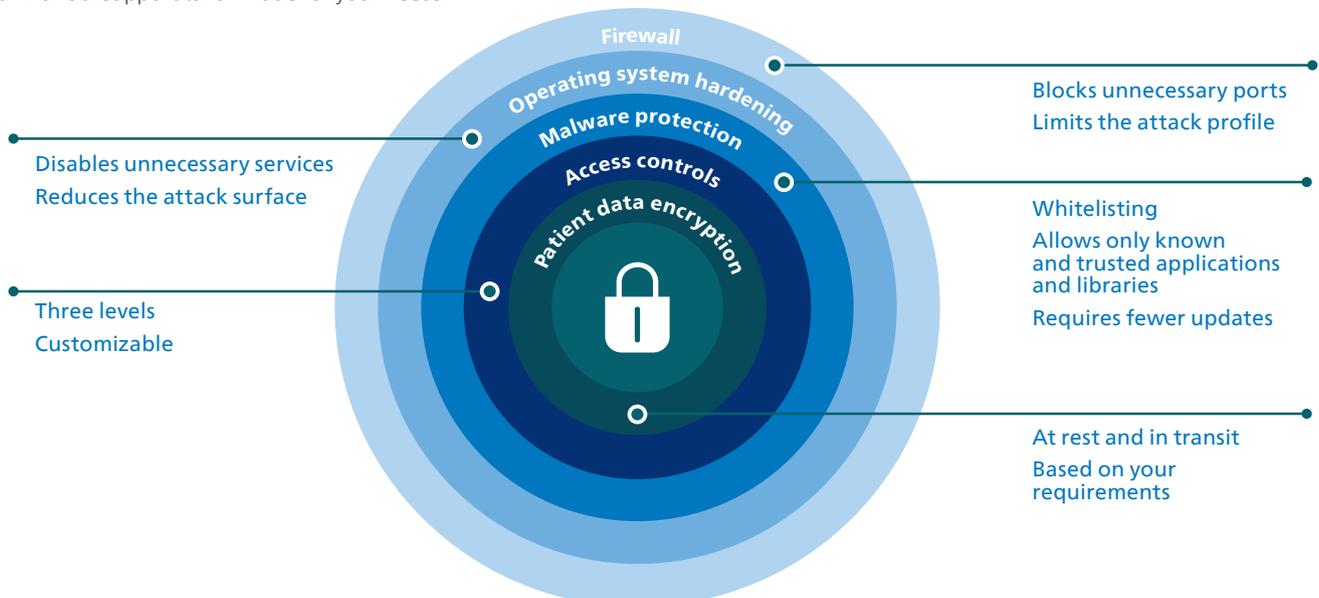
## Helping you make the most of every day

Philips Ultrasound Services are there for you throughout your imaging system's lifetime, from planning to replacement, helping you get the most value from your ultrasound investment.

**Maintain**
- Fleet management
- Upgrades and parts
- Support

**Educate**
- Clinical education
- Technical training

**Continuous lifecycle innovation**

**Evolve**
- Virtual access to expertise
- Connected capabilities
- Cybersecurity

**Optimize**
- Performance analytics
- Data and image management

# >270,000 ultrasound systems installed and supported worldwide by Philips service

## Protecting your systems and your productivity

An expert partner is key for fast, confident and proactive responses to resolve equipment downtime. Look for a partner who will share the risk and offers flexible service agreements alongside education and financial support tailor-made for your needs.

**Firewall**
- Blocks unnecessary ports
- Limits the attack profile

**Operating system hardening**
- Disables unnecessary services
- Reduces the attack surface

**Malware protection**
- Whitelisting
- Allows only known and trusted applications and libraries
- Requires fewer updates

**Access controls**
- Three levels
- Customizable

**Patient data encryption**
- At rest and in transit
- Based on your requirements

# Philips Collaboration Live* for decision support

Users can quickly and securely talk, text, screen share and video stream directly from the ultrasound system to a PC or mobile device, allowing you to extend your team without expanding it. Give patients access to your team's full expertise, regardless of location. Now ultrasound systems can do more than scan.



Use 3D datasets for clinical education, enhancing clinical confidence with education from across town to across the country.

"When on a screening ultrasound, something abnormal is identified, that patient doesn't want to wait two weeks ... they want to know about that immediately. And so, not only from a business aspect, but really to the bottom line of serving the patient best, that is why Collaboration Live is so important: immediately available, incredibly high-quality access to the patient and throughout your entire system."

Michael S. Ruma, MD, MPH, FACOG
Perinatal Associates of New Mexico
Albuquerque, NM, USA

**100% patient satisfaction**
with the quality of care and service provided via Collaboration LIve[3]

**100% of patients**
would use Collaboration Live again[3]

**Total savings ROI ratio of 13.41**[4]

\* Contract required.

**References**

1. Philips internal usability study.
2. Philips internal validation study.
3. Ruma M, et al. Prospective study of 30 subjects undergoing routine obstetric ultrasound imaging, New Mexico, USA.
   The use of a novel telemedicine tool in perinatology [abstract]. 30th ISUOG World Congress, 2020.
4. A cost-savings analysis of a novel telemedicine tool compared to face-to-face obstetric ultrasound examinations in New Mexico, ISUOG 2021.

The AutoStrain EF feature, C5-1 transducer and X8-2t transducer are available only on the Pro configuration of Flash 5100 POC.

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