



# A new way of thinking

Philips Sparq emergency medicine ultrasound system

**PHILIPS**  
sense and simplicity

# Introducing Philips Sparq

Breakthrough technology should not make your life more complex. Quite the opposite. It should remove complexity that creates a barrier to doing what matters most: providing the best care possible for your patients.



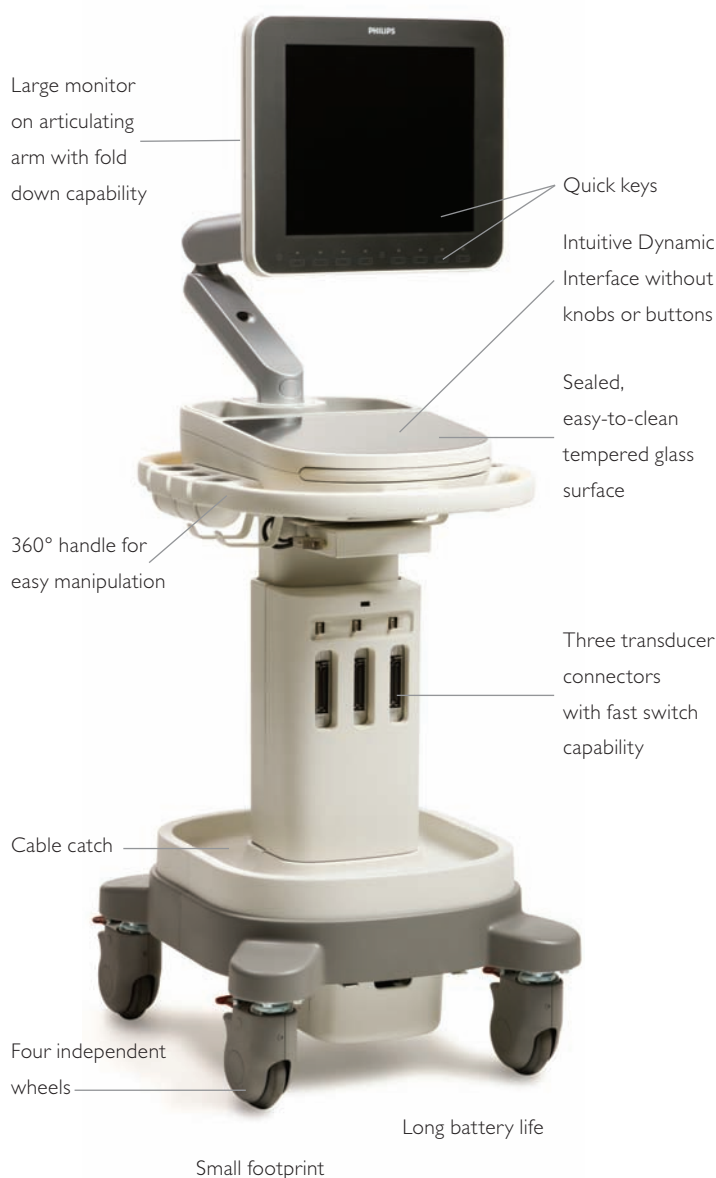
Philips Sparq ultrasound system delivers by providing a new ultrasound experience. It makes scanning and interpreting quality ultrasound images at the point of care as simple as possible, so you can work fast and with ease, giving you more time to focus on your patients.

With Philips Sparq, nothing gets in the way of achieving a healthy balance of streamlined workflow and clinical excellence.



# Increased confidence and efficiency for emergency medicine ultrasound

Sparq is a revolutionary ultrasound system designed to provide outstanding image quality. It is equipped with innovative features that increase your confidence when performing ultrasound exams and ultrasound-guided procedures.



Sparq's unique user interface, intelligent automation and outstanding image quality combine to make the system easy to learn and easy to use, so that you can quickly complete ultrasound exams.

With a broad set of transducers and features, Sparq supports an array of clinical applications and produces outstanding image quality on a variety of patients with a wide range of body habitus. In addition, the large monitor makes it easy to see small details, and enhances bedside consultation.

## **A uniquely simplified ultrasound system**

To make scanning easy, Sparq is designed with an Intuitive Dynamic Interface that eliminates knobs or buttons. To decrease interaction with system controls, AutoSCAN automatically identifies tissue type and continuously adjusts image gain while scanning. SmartExam protocols offer on-screen guides for specific exam types and automate system functions. Adding to the ease of use is Simplicity Mode, a one-touch solution that presents only the ultrasound functions that you use most often.

The ergonomic design, with height adjustment and a large 17-inch monitor on an articulating arm makes Sparq easy to position even in the most challenging clinical environments.

To provide you quick access to ultrasound imaging, Sparq features multiple transducer options with fast switch capability, and a temporary ID function that assigns a unique, temporary number to each unidentified patient.



Simplicity Mode – ON



Simplicity Mode – OFF

At the beginning of an exam, the Exam Dashboard seamlessly walks you through the steps needed to start imaging. Or you can use the optional barcode scanner to obtain patient information from your hospital-generated barcode, accelerating efficiency and decreasing data entry errors.

Sparq includes proven imaging technologies, such as SonoCT, which significantly reduces many of the artifacts that are inherent in conventional ultrasound, and XRES, which creates images virtually free from noise, with stunning clarity and border definition.

When the exam is complete, comprehensive tools aid analysis and reporting. Findings and measurements can be embedded in a one-page ED report, and wireless DICOM networking capabilities make it easy to share and archive images and reports.

Sparq also features a long battery life that provides mobility and access at the bedside. A sealed, easy-to-clean, tempered glass control panel facilitates disinfecting.

### Easy procedure guidance

Sparq features technology that improves needle guidance. Needle Visualization enhances the presentation of the needle without degrading the surrounding tissue image, facilitating quick needle guidance to the target anatomy. To make it easy to conduct out-of-plane procedures, Philips L12-4 and C6-2 transducers have a centerline mark that corresponds to a centerline on the image. The system also features an on-screen gridline display that provides visual target and distance estimation. Depth markers provides instant information about image depth, with no need to perform a specific measurement.



Needle Visualization significantly enhances the presentation of the needle without degrading the image of the surrounding tissue.

# A wide range of transducers and clinical applications



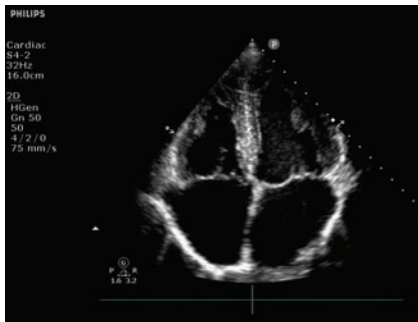
Sparq offers the following clinical applications suited for emergency medicine ultrasound:

- FAST
- Cardiac and TEE
- Vascular Access
- Lung
- Pelvic (including OB)
- Abdomen
- Ocular
- Musculoskeletal
- Superficial
- Nerve (0-4 cm, 4-6 cm, 6+ cm)
- Vascular (Venous and Arterial)

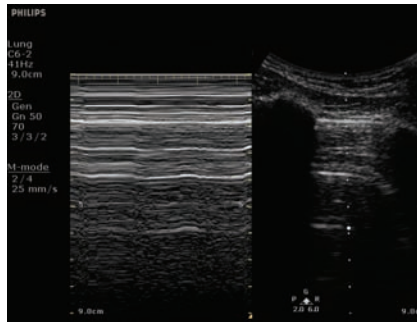


Sparq's family of transducers, including the C6-2, S4-2, L12-4, C9-4v, and X7-2t support a variety of applications.

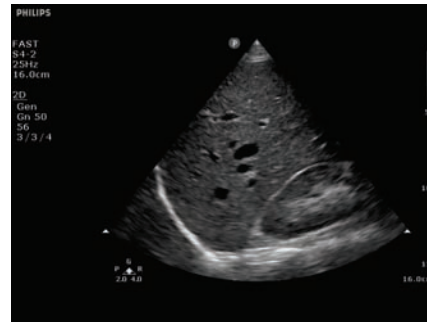
# Industry leading Philips image quality



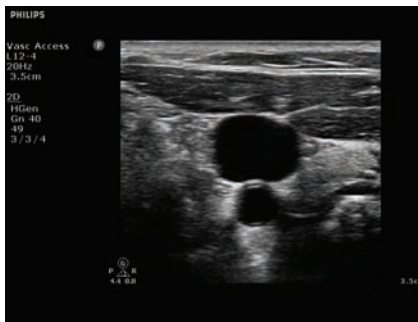
S4-2 transducer demonstrates extraordinary 2D image quality in this four chamber apical view.



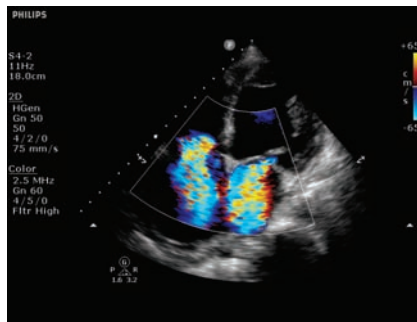
M-mode image in side by side format exhibits normal appearance of lung sliding.



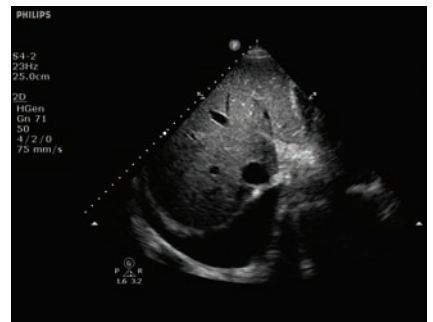
Note the high level of detail maintained throughout the tissue using the sector transducer in the right upper quadrant of the abdomen.



Superb contrast and detail resolution of the internal jugular vein obtained using the L12-4 transducer.



Trans-thoracic imaging of this valvular insufficiency demonstrates brilliant color fill and Doppler sensitivity.



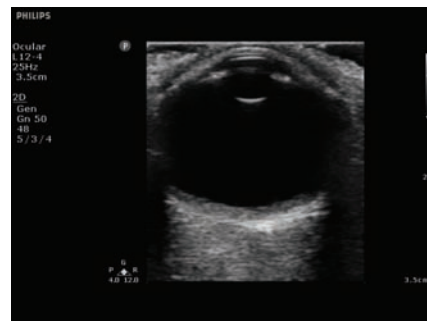
Note the detail and contrast maintained throughout the tissue at a depth of 25 cm using the S4-2 in the right upper quadrant of the abdomen.



This image using the C6-2 transducer nicely demonstrates the subtle interfaces of multiple discreet gallstones.



C9-4v endocavitary scan delineates tissue interface detail in the uterine structures.



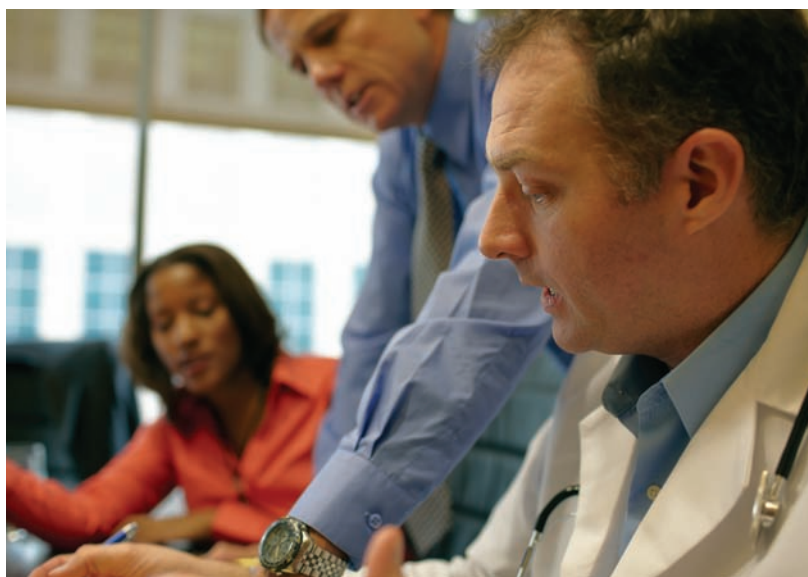
L12-4 scan of the orbit demonstrating the lens and vitreous chamber with the high resolution linear transducer.

# Supporting you beyond the product sale

## Supporting your system and your continuing education

Philips commitment to our customers extends far beyond the product sale. Philips has consistently been recognized by our customers as providing best-in-class service. In fact, in the annual IMV ServiceTrak survey in the USA, Philips Healthcare rated number one in overall service performance for ultrasound for the eighteenth consecutive year. In addition to Philips' best-in-class service solutions, Sparq is equipped with advanced service capabilities.\*

- **Remote Desktop** allows virtual on-site visits for both clinical and technical support, providing fast resolution to issues and questions, and decreasing the impact on your workflow.
- **Online Support Request** provides clinical and technical support from Philips with the push of a button on your system.
- **Utilization Reports** provide data to help you manage your ultrasound assets and increase business efficiencies. They include system and transducer use; study type, duration and quantity; and referral reports.
- **Proactive Monitoring** increases system uptime by monitoring key system parameters (such as temperature, abnormal shutdowns and battery condition) and automatically sending an alert to customer care solutions center personnel if any of these parameters are out of normal range, allowing Philips to take action before system operation is affected.



To enhance your ultrasound knowledge, Philips offers a range of educational tools and classes, provided both by Philips training experts as well as our clinical partners. Online training and education tools are also available. Visit [www.philips.com/sparq](http://www.philips.com/sparq) to learn more.

## Innovative financing solutions

Philips Medical Capital delivers financial solutions to help you place a new Sparq system in your facility or practice. Our financial experts understand your unique financial needs and provide flexible solutions that optimize asset utilization, reduce costs, and increase financial flexibility.

\* Service agreement required for access to Philips Advanced Service Features. Access to the internet is required. Not all remote features available in all countries; contact your local Philips representative for details.

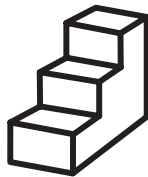
The day you purchase a Philips imaging system is just the first day in our partnership. From that day on, we want you to rest assured that your equipment will operate as effectively and efficiently in the future as when it was brand new. Philips SmartPath provides you with solutions and innovations for the full life of your ultrasound system, so you can enhance your clinical and operational potential and achieve your organizational goals.

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#### **Optimize**

Enhance your system's performance both now and in the future with regular and ongoing improvements. Maintenance updates assure seamless technicality and uninterrupted workflow to keep your system performing to the best of its ability. Cutting-edge software enhancements improve your equipment's functionality, reliability and serviceability, and access to our award-winning remote and onsite support services provide peace-of-mind.



#### **Enhance**

Expand your organization's clinical capabilities and efficiency, and take advantage of the newest innovations. Keep current with regular technology upgrades, or expand your capabilities with enhancements to existing clinical applications, as well as access to new features and functionality.



#### **Transform**

Boost your return on investment and transition seamlessly to a next-generation solution at the end of your system's life. With a wide range of trade-in and loyalty programs to choose from, as well as refurbished ultrasound systems, we offer you top technology at an economical price.

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From reducing costs to improving patient care and throughput, SmartPath is our commitment to your long-term success.

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