

Revolutionizing premium performance vascular ultrasound

Philips iU22 ultrasound system for vascular



Expand your vision

We continue to revolutionize ultrasound, bringing you new levels of performance, application, and utility. The iU22 ultrasound system provides essential tools for vascular imaging. No wonder Philips continues to be the worldwide leader in vascular ultrasound.



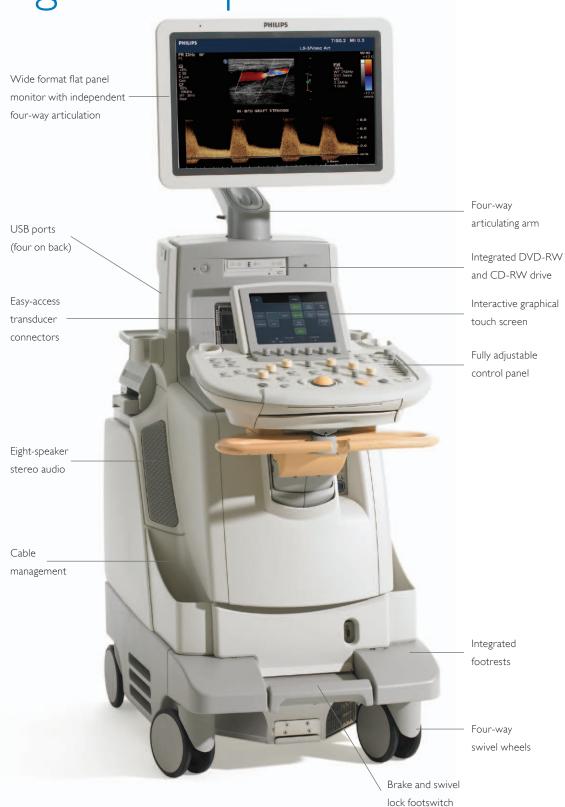
The diagnostic demands of an aging population, the global obesity epidemic, restricted budgets, and a shortage of qualified personnel require new levels of performance, efficiency, and simplicity. The iU22 ultrasound system continues to expand the reach of image quality, ease of use, automatic quantification, and throughput to help you address these challenges.

Our promise to you

Philips brand promise to our customers is based on four pillars:

- People-focused: We listen to the needs of patients and their care providers.
- Care cycle driven: We focus on their specific needs throughout the care cycle.
- Care anywhere: We enable care in any setting wherever it occurs.
- **Meaningful innovation**: We apply technology to help improve healthcare quality and to help reduce costs.

See performance from the ground up



Meeting diagnostic challenges



Outstanding for cerebral and peripheral vascular exams

The L9-3 transducer provides superb vascular performance across a wide variety of patient sizes and applications, from carotid to lower extremity exams. Its high performance color flow and pulsed Doppler offer exceptional evaluation of blood flow.

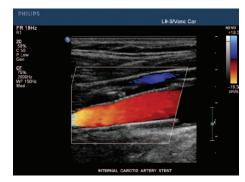










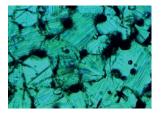


Excellent, even for challenging abdominal exams

A radical leap forward in image quality with PureWave

With the C5-1 PureWave transducer, imaging larger patients results in exceptional penetration and quality of Doppler and image resolution. The C5-1 takes advantage of new cutting-edge technologies - tissue aberration correction and coded beamforming - to display images with clear structure details throughout the field of view.

The C5-1 provides superb performance for virtually all your patients, from those who are easy to image to the more technically challenging.





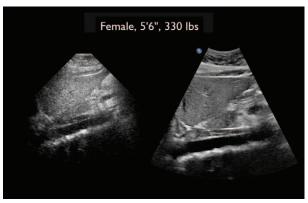
Conventional

(x800)

PureWave

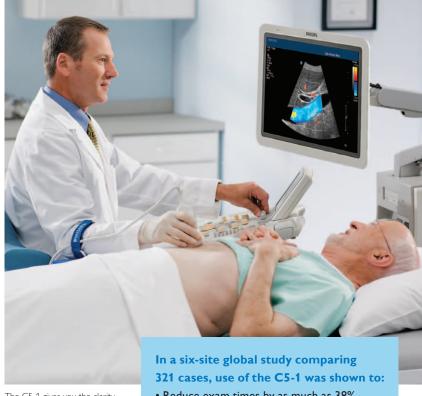
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PureWave crystals have virtually perfect uniformity for greater bandwidth and twice the efficiency of conventional ceramic materials. The result is excellent imaging and Doppler performance.



Conventional ultrasound

C5-1 PureWave technology



The C5-1 gives you the clarity and detail you need for confident diagnosis, even on technically challenging patients.

- Reduce exam times by as much as 38%
- · Reduce pain and fatigue from scanning in as many as 85% of the cases
- · Reduce pushing required to achieve penetration of an organ or structure in as many as 93% of the cases
- Create a marked improvement in color sensitivity in as many as 86% of the cases
- · Prevent a recommendation for additional studies with CT or MR due to an inadequate ultrasound study in as many as 69% of the cases

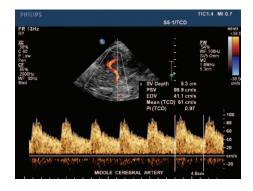
Superb TCD performance

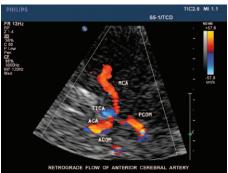
PureWave aids transcranial Doppler ultrasound (TCD) exams

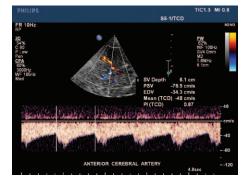
The S5-1 PureWave transducer provides both temporal and orbital access. The TCD image allows you to see color flow and place a sample volume, rather than imaging blindly. Analysis capabilities and study information provide a complete solution for analyzing and reporting transcranial study results.



PureWave technology provides real-time visualization of blood flow in the Circle of Willis, increasing the likelihood of exam success.







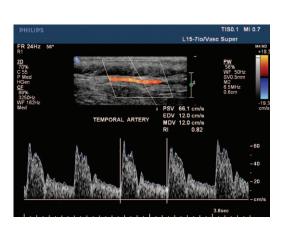
Exceptional access for vascular surgery

Real-time assessment with intraoperative ultrasound

When you couple the L15-7io transducer with the iU22 ultrasound system, you have an excellent tool for real-time assessment during vascular surgery. The design and small size of the L15-7io allow for exceptional access of vascular surgery incision sites and placement directly on the vessel.

The superb image quality allows you to quickly and confidently assess graft patency and immediately identify resection needs. Using the real-time imaging of ultrasound means your patients are assessed before closing, reducing the need for further repairs.









Quantifiying cardiovascular risk

Automated quantification to assess cardiovascular risk

Now there is a simple way to obtain the quantification numbers that indicate the risk of developing cardiovascular disease.

The Philips Vascular Plaque Quantification tool non-invasively uses 3D technology to automatically visualize and quantify the overall volume of vascular plaque in the carotid artery, which may help determine who is at an increased risk for stroke or vascular disease.



Real-time tracking of Doppler signal

High Q provides real-time tracking of Doppler signal, automatically selecting the highest peak velocity and with the touch of a button, adding measurements to your report.



Easy, automated IMT measurements

Intima Media Thickness (IMT) assessment helps assess cardiovascular disease risk and has proven to be a good marker for the efficacy of anti-atherogenic drugs. The QLAB IMT measurement plug-in was designed to provide you with consistent and reliable IMT measurements, reduce the effort required to successfully carry out IMT measurements, and minimize the time needed to complete an IMT study.



Tools to enhance throughput

Auto Doppler

1 Turn on color

2 Turn on PW

3 Touch iSCAN

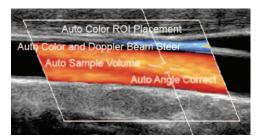
Auto Doppler speeds vascular exams

Auto Doppler automates the most repetitive manual controls, speeding and standardizing vascular exams by offering auto sample volume placement in the area of greatest color flow signal, automatic spectral Doppler optimization, auto angle correction, and auto color optimization. With Auto Doppler, simply turn on color, turn on pulse wave Doppler, touch iSCAN, and move the sample volume within the vessel. Auto Doppler simplifies exams, allowing for more consistent, high-quality outcomes whether the sonographer is an expert or a novice.

Conventional Doppler

- 1 Turn on color
- 2 Move trackball to position color over vessel
- 3 Adjust the angle of the color box
- 4 Turn on PW
- 5 Move trackball to position PW within the vessel
- 6 Adjust angle to bring the angle parallel to the vessel wall
- 7 Move trackball to reposition sample volume
- 8 Adjust angle to bring the angle parallel to the vessel wall
- 9 Move trackball to reposition sample volume
- 10 Adjust angle to bring the angle parallel to the vessel wall

Auto Doppler takes time-consuming color box positioning and Doppler sample volume placement from ten steps down to three.



Auto Doppler reduces repetitive button pushes by 67.9% for ease of use and also helps standardize exam outcomes, enhance image quality, and speed patient throughput.



Smart workflow tools deliver efficiency

To respond to your needs for greater efficiency, the iU22 system is redefining workflow through built-in intelligence that automates many time-consuming activities and provides valuable guidance through potentially challenging types of exams.

SmartExam guided workflow increases consistency and speed by automatically planning and processing application protocols. With SmartExam, designing a new type of exam is easy. Perform the exam, and the iU22 remembers every step of the protocol, automatically recording required views, annotation, body markers, mode changes, and quantification. Once you save your new exam type, you can begin using it immediately. Because it is so quick and easy, you can design a full range of exams to meet your lab's requirements.



A recent study found that SmartExam:

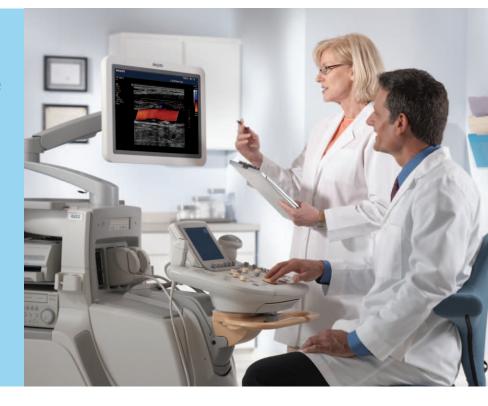
- Decreased examination time by 30-50%
- Reduced keystrokes by 300 per exam
- Improved consistency and quality of exams
- Assisted in department reimbursement and accreditation by increasing consistency

One-button solutions improve ease of use

Ease of use is one of the top three requirements for a premium performance ultrasound system. That is why the iU22 is designed to operate using a small number of one-button controls that assure that you are able to acquire excellent images with the least amount of effort.

A healthier workplace

Because surveys indicate that 80% of sonographers are scanning in pain and 20% of them will suffer a career-ending injury, the iU22 was designed with the user's health in mind. With a keyboard and monitor that can move independently, users can stay in a neutral position while scanning. The virtually flickerless flat panel monitor is easy on the users' eyes, while flexible transducer cables reduce tension and muscle strain.





iSCAN one-button optimization quickly and automatically adjusts system parameters in both 2D and Doppler modes based on patient and exam types. It decreases keystrokes while ensuring excellent image clarity in each exam.



iFOCUS Intelligent Focusing Technology automatically computes beam characteristics for a selected region of interest, and then provides excellent detail resolution and tissue uniformity.



iOPTIMIZE Intelligent Optimization instantly adjusts system performance for different patient sizes, flow states, and clinical requirements.

Support that enhances productivity

Philips has invested heavily in comprehensive support services to keep your ultrasound systems up and running without getting in your way, so you can deliver uninterrupted quality care. A remote connection with Philips allows for many advanced service features,* including enhanced clinical and technical support allowing for fast resolutions to both workflow questions and technical issues.

Remote services

Remote desktop: Allows Philips service engineers to gain a live view of your system's console. This enables remote operation, real-time clinical troubleshooting, and issue resolution.

iSSL technology: An industry standard security and encryption protocol that meets global privacy standards and provides a safe and secure connection to the Philips remote services network using your existing Internet access point.

Online support request: System users can place a technical or clinical support request directly to Philips from the ultrasound system to help reduce workflow interruption.

Utilization reports: Data intelligence tools that can help you make informed decisions to improve workflow, deliver quality patient care, and reduce the total cost of ownership.

Proactive support: Philips can continually monitor key system parameters, detecting anomalies before they impact performance. Corrective action can be taken quickly, often with no impact to patient schedules.



Service rated #1 by customers

Philips Healthcare ultrasound is #1 in overall manufacturer performance based on customer rankings in the 2011 IMV ServiceTrak All Systems survey. Part of the annual IMV ServiceTrak surveys, the report reflects the responses of over 1,800 imaging professionals measuring satisfaction with manufacturer, system, and service performance.

Innovative financing solutions

Philips Medical Capital delivers financial solutions to help you place a new 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.

Philips SmartPath assures you easy access to solutions and innovations for the full life of your ultrasound system, so you can boost your clinical and operational potential and achieve your organizational goals.



Optimize your system's performance both now and in the future with regular and ongoing updates, including functionality improvements and remote technical support.



Enhance your equipment with regular technology upgrades, and take advantage of the newest features and capabilities.



at the end of your system's life by transitioning seamlessly to a next-generation solution or refurbished option.

Transform your investment

Transform

^{*} Not all services available in all geographies and require service contract converage.

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