



# Premium performance compact ultrasound

Philips CX50 POC CompactXtreme ultrasound system

**PHILIPS**  
sense and simplicity

# Philips CX50 POC CompactXtreme system for regional anesthesia and pain medicine



“I need to clearly and quickly see anatomy, nerve and needle, especially for my technically difficult patients and advanced blocks. I need an ultrasound system that physically fits my environment, easily goes where I need it, and provides the imaging performance so I can confidently care for all my patients.”

Now you can be confident that you are getting exceptional image quality for your ultrasound guided nerve blocks and procedures, even on your most technically challenging patients. Philips, a leader in cutting-edge ultrasound development, has integrated premium, innovative technologies into the CX50 POC system to address the need for premium class performance in a compact ultrasound system.



The CX50 allows up to three transducers to be connected to the system, facilitating a broad range of procedures across your patient population..

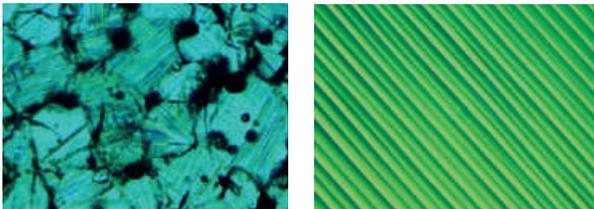
# Premium class performance in a compact ultrasound system

Extreme performance is built into the CX50 POC system with clinically proven premium technologies. Images are displayed with exceptional clarity, giving you the ability to easily and confidently visualize the sonoanatomy, quickly find the nerve, and see the needle throughout the procedure.

## PureWave goes portable

PureWave technology, previously available only on Philips premium iE33 and iU22 systems, has been integrated into the new CX50 POC CompactXtreme system. It's one of the biggest breakthrough in piezoelectric transducer technology in 45 years. Over a million ultrasound exams have benefited from PureWave's exceptional penetration and far-field resolution.

PureWave excels on deep blocks and technically difficult patients, providing excellent 2D image quality. Now you can take advantage of PureWave's image quality in your regional anesthesia and pain medicine practice.



Conventional

(x800)

PureWave

(x800)

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.

## Needle visualization technology

Confidently and quickly see the needle with the CX50 POC system's needle visualization capabilities. The needle is enhanced in the image display without degrading surrounding tissue, allowing exceptional visibility of the needle and neural sonoanatomy at the same time.

## SonoCT and XRES for additional clarity and definition

Philips SonoCT real-time compound imaging displays striking levels of tissue differentiation that are virtually free of artifact. Advanced XRES adaptive image processing reduces speckle, haze and clutter. When SonoCT and XRES work in tandem, the result is outstanding image clarity and enhanced delineation of tissue layers and structures – making it as easy as possible to see the sonoanatomy in order to complete a procedure with confidence.

## Designed for speed and efficiency

The CX50 POC's compact size allows you to effortlessly maneuver in the confined space of the perioperative environment. And battery operation means you can quickly begin a procedure. The 15-inch high resolution LCD, with built-in ambient light compensation, provides optimal viewing in varied environments. Tissue Specific Imaging



Controls are logically placed on the CX50 POC control panel for quick selection and optimization during every procedure.

optimizes hundreds of scanning parameters to the specific transducer and anatomy. Image optimization is simple with iSCAN, a one-button step to getting a high quality image, and it's easy to steer the image to best visualize the needle and anatomy.

# Premium performance across your patient population

## Transducers to meet your needs

The CX50 POC transducers support a wide range of peripheral and axial nerve and pain block procedures, as well as adult echo and TEE. Select the best transducer for your procedure based on the type of block, patient size and technical difficulty.



CX50 POC system's array of transducers provides premium performance for your growing regional anesthesia program. Applications include nerve blocks, MSK, vascular access, lung imaging, and echo:

- L12-3 broadband linear array
- C5-1 PureWave curved array
- S5-1 PureWave sector array

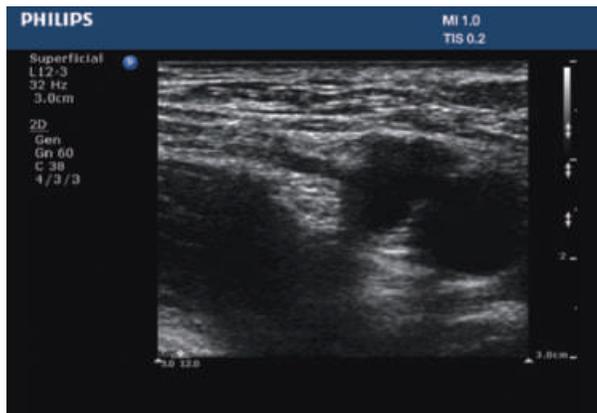
## Compact ultrasound designed for your environment

Take the CX50 POC where you need it. On cart it allows for easy mobility and effortless maneuverability in the perioperative environment as well as throughout the hospital. The CX50 POC system is the ideal solution for multiple-site support. With its convenient travel case, you can easily take the CX50 POC to satellite locations to support nerve blocks wherever needed.

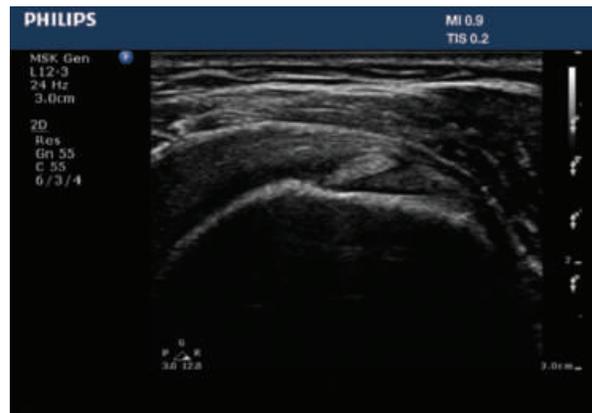


The system and cart are combined ergonomically into one unit that is slim, lightweight and highly mobile. It can be swiveled and locked so you are set up quickly anywhere you need premium performance.

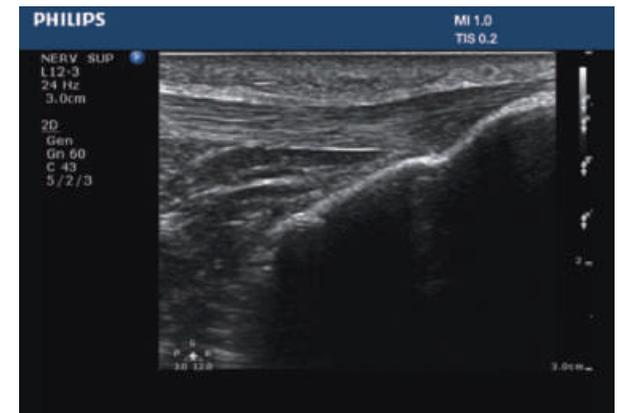
# Seeing is believing



Note the outstanding resolution using the L12-3 to image the femoral nerve and surrounding structures.



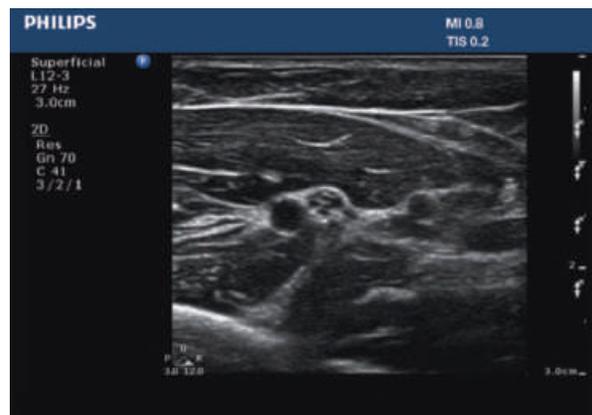
L12-3 transducer provides superb detail and contrast resolution of this biceps tendon.



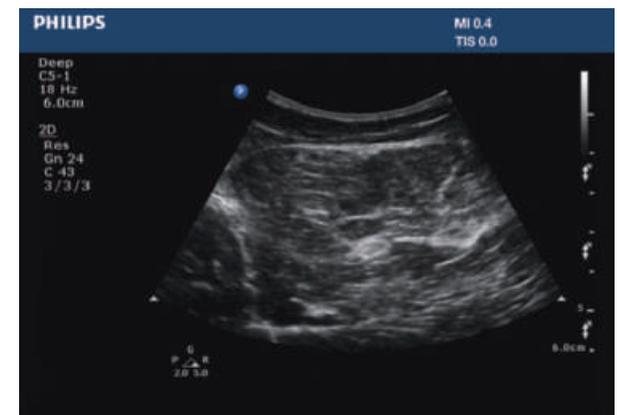
L12-3 high resolution image of the inferior aspect of the tibial tendon exhibits excellent detail of the tendon, bone and tissue interfaces.



SonoCT and XRES work in tandem to provide exceptionally clear images. Interfaces and tissue structure are well defined in this image of the supraspinatus tendon.



Survey of the axillary area clearly demonstrates the borders and tissue structures of the artery and nerve plexus.



L12-3 transducer demonstrates detail of neural structures and surrounding anatomy of the proximal popliteal level sciatic nerve.

Our portfolio of services is as innovative, flexible and comprehensive as your Philips system. From consulting in preparation, installation and networking, to providing clinical and biomedical engineering training, education and e-learning, to sourcing financial options, we have the expertise to assist you in finding the best solution for your specific needs.

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[www.healthcare.philips.com/ultrasound](http://www.healthcare.philips.com/ultrasound)

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Philips offers a wide array of clinical and technical education, online resources and training courses to meet the increasingly complex needs of healthcare professionals and staff members. Whatever your need, there is a medical education course or resource available that is specifically tailored to fulfill the learning requirements of you and your organization. See our full course listing at: [www.philips.com/RAPMeducation](http://www.philips.com/RAPMeducation)

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Optimize

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



Enhance

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



Transform

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

Please visit [www.philips.com/CX50RA](http://www.philips.com/CX50RA)



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