



# High performance ultrasound

Philips HD7 XE ultrasound system

**PHILIPS**

# Redefining high definiti



Superb image quality and an array of advanced performance features deliver high definition imaging qualities in a system designed around your exam needs. The new HD7 XE system offers the ideal solution for full service environments as well as specialty practices.

**The HD7 XE system is designed to help you get high quality images in your exams and facilitate your department workflow, no matter if you are in a busy clinic, hospital, or private practice. Philips advanced features, high definition imaging, and common user interface are combined in a best-in-class solution.**

The convenience and advanced ergonomics of an articulating arm mounting for the display facilitate exams in a wide range of clinical requirements. It's quick and effortless to adjust for each exam.

# on imaging



Controls are easy to access and use during exams with buttons and soft keys logically grouped and placed to streamline workflow.

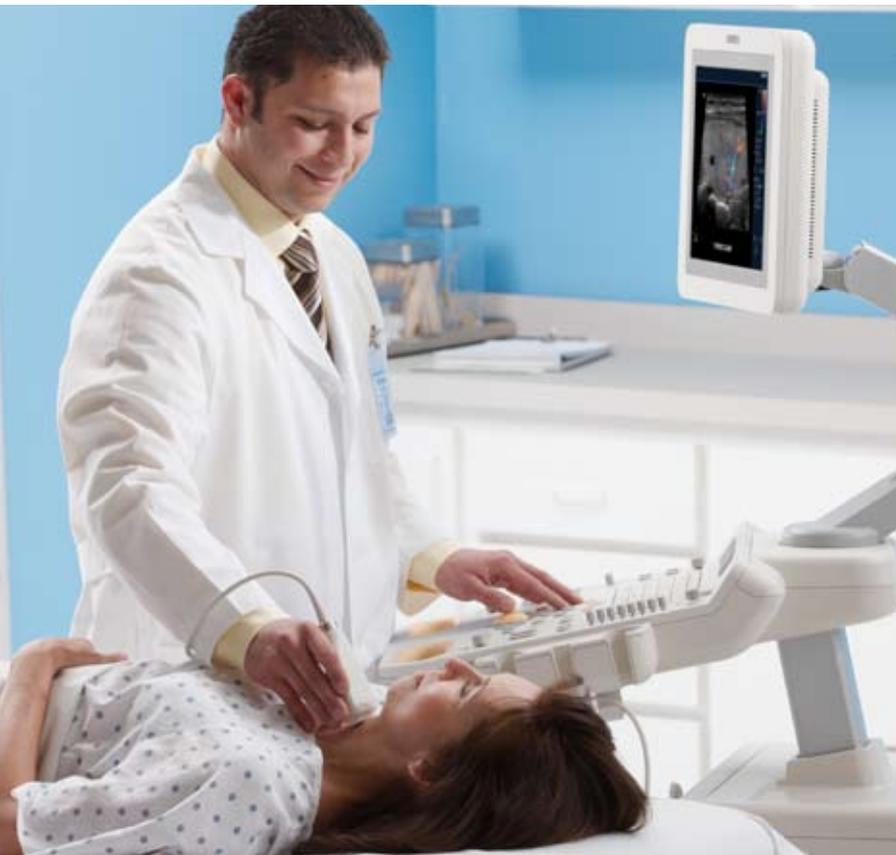
The HD7 XE system offers a comprehensive set of features and capabilities to help you care for your patients. It's easy to learn and use so you can quickly begin to have high definition images for your studies. The HD7 XE supports advanced imaging capabilities that help you acquire clear diagnostic data. A full range of transducers addresses exam needs across a wide range of applications. Connectivity and recording are easy and quick.



The HD7 XE's excellent image quality, easy-of-use, and ergonomic features allow you to focus on your patients and exam requirements.

# Performance designed

The Philips HD7 XE system offers Philips best-in-class high definition performance. You get not only excellent image quality born of our more advanced systems, you get the design and breadth of applications available for demanding use in cardiovascular, Ob/Gyn, anesthesiology, women's health, oncology, electrophysiology, stress echo, pediatrics, orthopedics, urology, emergency, and other applications.



Linear array transducers on the HD7 XE system provide superb access and image quality for superficial scanning, such as the thyroid.

Like all Philips ultrasound systems, the HD7 XE has a broadband digital beamformer to capture and preserve more tissue information than conventional narrowband systems. Its wide dynamic range and digital focal tuning provide exceptional sensitivity and detail resolution. The HD7 XE is a diagnostic and decision-making tool and an excellent choice because of high performance features:

- iSCAN one-button image optimization for 2D and Doppler
- XRES adaptive image processing
- Stress echo
- Contrast imaging
- Tissue Doppler imaging
- Multiple transducer ports
- A choice of up to 12 transducers
- DICOM connectivity
- Easy data recording to CD/DVD or USB

Optional off-line QLAB quantification software capability allows clinicians to perform post-examination image review and analysis on a PC. Further enhancing the system's usability is a Study Guide on disk that quickly equips clinicians to use the advanced features of the HD7 XE system. Additional clinical and technical education is available through online and in-person courses.

# around you



A full complement of transducers supports multi-service imaging departments, including abdominal imaging with the C5-2 curved array transducer.



The HD7 XE system is ideal for cardiovascular labs with an array of cardiac and vascular imaging transducers for TEE, stress echo, quantification, and contrast/LVO capability.

## Transducers

The HD7 XE supports a family of transducers for full service labs as well as specialty clinics and practices:

- Sector arrays – cardiac, pediatric, abdominal, Ob/Gyn, and adult TEE applications
- Curved arrays – abdominal, Ob/Gyn, and deep abdominal vascular exams
- Linear arrays – vascular, superficial, breast, small parts, and musculoskeletal imaging

## Clinical Applications

- Abdominal
- Small parts and superficial
- Pediatric
- Musculoskeletal
- Neonatal
- Urology
- Obstetrics
- Gynecology and fertility
- Prostate
- Vascular
  - Cerebrovascular
  - Peripheral vascular
  - Intraoperative vascular
- Transcranial Doppler
- Cardiac
  - Adult
  - Pediatric
  - Stress

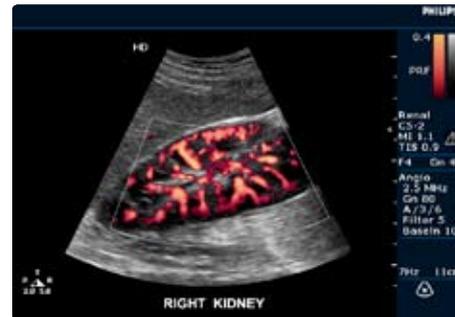


The OmniPlane III TEE transducer extends your echo lab's capabilities with support for transesophageal echo exams and monitoring at-risk patients during surgery.

# Don't settle for less



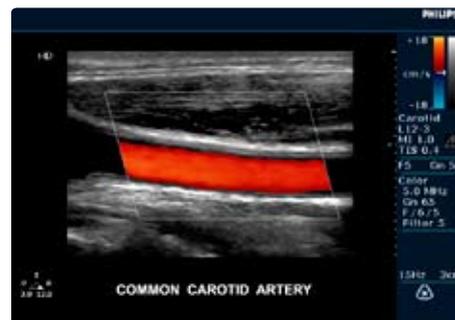
The S4-2 sector array transducer supports cardiac exams as shown in this two-chamber view of the mitral valve.



Color Power Angio imaging and the C5-2 curved array transducer enable full appreciation of blood flow within the vessels of the kidney.



Color flow imaging with the L12-3 linear array transducer enables assessment of vasculature in superficial imaging, as shown in this thyroid.



The vessel walls and blood flow of this common carotid artery are clearly depicted with the L12-3 transducer.

## Imaging modes

- Philips Microfine 2D focusing
- Philips Color Power Angio imaging (CPA)
- Directional Color Power Angio imaging
- M-mode
- Anatomical M-mode
- Color M-mode
- Pulsed wave Doppler
- Continuous wave Doppler
- Freehand 3D
- Color compare mode
- Dual mode
- Duplex for simultaneous 2D and Doppler
- Triplex mode for simultaneous 2D, Doppler, and color or CPA
- 2D optimization signal processing
- Tissue harmonic imaging (THI)
- Intelligent Doppler
- Reconstructed zoom with pan (read zoom)
- Philips high definition zoom (write zoom)
- Panoramic imaging
- Trapezoidal imaging
- Pulse inversion harmonic imaging
- Contrast imaging
- Adaptive Doppler
- Adaptive Color Doppler
- Color tissue Doppler imaging
- Pulsed wave tissue Doppler imaging



### **Keeping you up and running**

For 16 years IMV Limited, a prestigious independent healthcare research company, has rated Philips number one in its ServiceTrak Imaging-All Systems report for customer service satisfaction, out of thousands of companies compared worldwide.

- World class help is only a phone call away.
- Online remote diagnostics and service support give you fast answers and keep you running.

### **Services—A full lifecycle solution**

The success of your organization depends on people. Philips Services are designed with that in mind—creating healing environments, developing your staff, improving your organization's performance, and increasing patient satisfaction.

Philips provides a full lifecycle solution designed around your patients, your people, and your organization. We help you succeed in every phase of system ownership, from planning to start-up, through peak usage and renewal.

### **Planning**

Understand how and when the right equipment and services contribute to better patient care and better economics.

- Philips Medical Capital financial solutions
- Energy efficient equipment designs

## **The power of Philips**

When you purchase an HD7 XE system, you partner with Philips Healthcare, a leading provider of imaging, radiation oncology, patient monitoring, healthcare information management, and resuscitation products. Philips simplifies healthcare by focusing on the people in the care cycle—patients and care providers. By combining human insights and clinical expertise, Philips aims to improve patient care while lowering the burden on the healthcare system.

With 30,000 employees worldwide, Philips Healthcare is committed to meaningful innovation based on customer insights. This commitment is your assurance of products and services that meet your needs, today and tomorrow.

### **Start-up**

Make the most of your system as quickly as possible.

- Clinical application education
- In-house service training
- Online learning center
- Dedicated install teams

### **Peak usage**

Extract maximum utility out of your system day to day.

- Comprehensive and partner service agreements
- Remote services
- Service information portal
- Utilization services
- Philips technology updates

### **Renewal**

We'll help you make smart decisions on upgrading or transitioning to a new system.

- Installed base programs
- Refurbished systems

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