An imaging revelation: new iE33 and iU22 xMATRIX ultrasound systems

Philips’ new iU22 and iE33 xMATRIX editions are unlike any ultrasound system you’ve ever seen before. These systems are designed for outstanding clinical utility, delivering high quality 2D imaging, while also making it easy for you to take full advantage of 3D imaging and the information it provides.

Packed with features that optimize image quality and enhance workflow, every button, every transducer, and every algorithm bears the mark of Philips’ commitment to meaningful innovation.

The xMATRIX editions reveal more information than ever before, expanding the value of ultrasound.

iU22 xMATRIX ultrasound system

At the heart of the Philips iU22 xMATRIX ultrasound system for general imaging is the revolutionary new X6-1 PureWave xMATRIX array transducer. It harnesses the power of over 9000 active elements, more than 35 times greater than conventional transducers, to ensure crisp, high-resolution imaging.

The X6-1’s next-generation beamformer technology features ultra thin slice imaging that extends across the entire range to reduce artifacts and deliver 2D images of exceptional quality. It offers extraordinary tissue uniformity for improved texture pattern resolution, as well as clear discrimination between near, mid, and far microstructures.
iE33 xMATRIX echocardiography system

Now you can rely on a single transducer for virtually any cardiac ultrasound exam. The ergonomic Philips X5-1 transthoracic adult transducer delivers outstanding clinical performance in all modes. Go from 2D to 3D imaging at the touch of a button to quickly integrate Live 3D imaging into routine exams. Take advantage of PureWave crystal technology to capture crisp, high-resolution images of even your technically challenging patients, and use iRotate electronic transducer rotation for better 2D imaging and to eliminate LV foreshortening. The Philips iE33 xMATRIX offers a whole new level of exam efficiency and clinical versatility.

To find out more about Philips the iU22 and iE33 xMATRIX high performance ultrasound, visit www.philips.com/xMATRIX

The Philips iE33 xMATRIX offers a whole new level of efficiency and clinical versatility.
Visibility beyond the clot

VasoCT is an advanced imaging tool to support improved treatment of ischemic stroke in the interventional X-ray lab. It uses high resolution soft tissue imaging technology to reveal key information about cerebral vascular structures in a very high level of detail.

VasoCT is designed to help you quickly identify and assess the size and direction of an occlusion in the case of an ischemic stroke. This allows treatment to be carried out as quickly as possible to enhance patient care.

VasoCT is based on a 3D rotational scan and a special injection protocol:

“The more you can see, the more you can do.”

**Key benefits of VasoCT include:**

- Helps improve ischemic stroke treatment in the X-ray suite with high-resolution assessment of intracranial arteries
- Helps visualize the location, size and direction of an occlusion by displaying the vessel structure before and after the clot
- Provides extra support to navigate to and through the occlusion for vessel recanalization

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Philips Dynamic 3D Roadmap on 3D-RA and MR/CT images

The Philips Dynamic 3D Roadmap provides live 3D image guidance for navigating through vascular structures anywhere in the body. It superimposes real-time 2D fluoroscopy images and a 3D reconstruction of the vessel tree acquired with the 3D-RA feature on the Allura X-ray system, or from a previous CT/MR scan.*

The resulting roadmap shows the progress of a guide wire, catheter or coil in real time, supporting visualization and navigation for complex interventions in applications ranging from neuro aneurysm coiling to uterine fibroid embolization.

**Key advantages**

- Full 3D view for guide wire and catheter navigation through complex vessel structures
- Reduced X-ray dose and contrast medium usage
- Dynamic guidance with real-time compensation for gantry and table movement

*3D Roadmap on 3D-RA and 3D Roadmap on CT/MR images are separate options for Allura 3D-RA.