

Digital radiography with X Vision go

Protecting investment in existing mobile X-ray systems

The innovative solution produced by ROESYS GmbH offers new opportunities in imaging diagnostics with conventional mobile X-ray machines.



„We were astonished to see how quickly we were able to integrate the mobile workstation into our IT environment, with a connection to the worklist and PACS server.

We were almost immediately able to use the outstanding image quality of the mobile detector XRpad 4336 - and it was not only gratifying to our staff members.

The ward-based colleagues who had referred cases to us were also able to benefit straightaway.“

Dr. med. Dirk Stockheim
Radiologist

The system solution »X Vision go« allows existing mobile X-ray machines to be retrofitted with digitalisation capability. This enables operators to produce high-resolution digital patient images rapidly with low radiation exposure. These images can then be used by radiologists for diagnostics. Past investment in conventional mobile X-ray machines is not lost.

Many radiology departments already use modern DR detectors as part of their regular X-ray rooms.

However, the mobile X-ray machines used in hospitals in the care of inpatients often still use image plates as purchasing completely digital new machines is not cost-effective given the small number of images produced per day. The innovative system solution »X Vision go« attempts to

bridge this gap. It consists of a modern mobile WiFi detector measuring 35x43 cm² with a mobile panel holder, a tablet computer for clinical use and the specially created image processing software »DXRS touch«.

The system can be used not only with mobile X-ray machines but also as a back-up, if the fixed system is overloaded or has malfunctions.





„We can now see the result of our X-ray examination immediately. The mobile detector is ready to take another image without delay. Modern image processing often means that we don't need to use our anti-scatter grid.

This helps us to reduce patients radiation dose even further in the future.“

Nadine Scholz
Radiology Assistant

Ergonomic

Weighing just 1.2 kg and fitted with a handle, the tablet computer can easily be taken onto the ward. The software has a simple and intuitive touch-surface operation, which is self-explanatory and can easily be used without a keyboard or mouse.

A docking station with many interfaces and a large display makes working with in-patients simple.

Cost-effective

In contrast to many other approaches, "X Vision go" does not need any costly WLAN infrastructure to

be set up in the hospital. The worklist is accessed via a docking station LAN connection.

Images are first stored locally on the tablet computer until the radiology assistant has carried out quality control. The images are then also sent to the PACS via the docking station by LAN.

Secure

In addition to the normal login and password access data, the tablet computer offers many other user identification options.

A hardware dongle on the docking station also protects the software and the patient data view against any loss of the tablet computer.

Hygienic

All work carried out on intensive care wards is now governed by strict rules to ensure hygiene and prevent the spread of multiresistant germs.

That is why the tablet computer used in this system has an antimicrobial surface and can be disinfected in accordance with EN/IEC 60601-1.

„In the past we had to take all the cassettes we would need with us to the ward, and read them out individually afterwards. This process will be much easier thanks to the mobile detector and the "DXRS touch" software. If a patient is missing from the worklist, the details can be added on the ward.“

Claudia Schubert
Radiology Assistant



ROESYS is a mid-size enterprise registered in Espelkamp, a location steeped in tradition and home to numerous medical engineering enterprises operating in North Rhine-Westphalia. Development, manufacturing as well as the sales of X-Ray technology and state-of-the-art "Made in Germany" direct radiography systems are the key pillars of the company's business. ROESYS's products are in use in practices and hospitals in Germany and Europe and have proven their worth countless times in daily use.

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