

DIRECT RADIOGRAPHY

Delivering ●
wireless
mobile imaging

DX-D 100 system – Direct Radiography from Agfa HealthCare



powerful

imaging on the move

In ICUs, emergency rooms and operating theatres, bedside examinations are an important part of the care process. Agfa HealthCare's new DX-D 100 wireless mobile system can easily be moved and operated by a single person, and has a cable-free detector panel that reduces the risk of infection, facilitates faster patient handling and increases comfort of use for both patient and operator. The result is improved efficiency of bedside imaging and streamlined workflow through full integration with your RIS/PACS capabilities.

Fully motorized, heavy duty solution

The DX-D 100 system's compact, mobile solution is a fully motorized, heavy duty solution designed to cope with challenging imaging tasks – with secondary controls on the system's arm allowing positional refinements to be made without the need to return to the main console. This enables it to be operated by just one person and allows you to stay with your patient at all times.

Wireless mobility for improved flexibility and infection control

The wireless capability of this mobile solution provides excellent flexibility, improving your overall workflow. In addition, with no trailing cable, it is a more hygienic solution, ideally suited for use in the ICU, pediatrics and neonatal areas.

Split battery configuration delivers maximum power

Designed as a fully digital unit, the battery power for the DX-D 100 system takes into account the power needs for the motor and generator separately, via a unique split battery set configuration capable of capturing up to 200 thorax examinations with one charge. The charging of the battery sets is done through a standard power socket, without special wiring, and the system can be used while charging, avoiding down-time.

Powerful generator reduces exposure times and delivers sharper images

The DX-D 100 is equipped with X-ray generator power of up to 50 kw, making it ideal for imaging dense areas. The generator power rating is true, effective power – not a peak value – with the high power resulting in shorter exposure times and less motion blur. The result is sharper abdomen and spine examinations as well as those for bariatric patients.

Ergonomic and maneuverable for restricted spaces

Requiring only light pressure to the drive handle to move it, the DX-D 100 system is easily maneuvered to any location. Its small width makes it ideal for restricted spaces and corridors. Large wheels make mounting small steps easier.

Consistently correct X-ray settings

The full integration of the DX-D 100 system's generator via the NX acquisition workstation makes specifying the appropriate exposure technique for your study simple. Once an examination is selected on the NX workstation, the X-ray settings are automatically transmitted to the generator and displayed on the generator interface, where they can be changed easily if needed. After the exposure, the used X-ray settings are sent to the NX workstation and linked to the image for archiving.



Secondary controls on the system's arm allow positional refinements to be made without the need to return to the main console.



Wireless: Mobile: Maneuverable: Motorized. The DX-D 100 system from Agfa HealthCare

instant

high quality image capture

The DX-D 100 system uses the well-established and proven NX acquisition workstation, with its fully integrated touch screen, for both image acquisition and interfacing with the generator. With built-in MUSICA² image processing, you enjoy the same look and feel for CR and DR, thereby requiring minimal user training. You'll also achieve fast image capture with an exposure monitoring functionality that results in better dose monitoring and control.

High quality instant imaging

The DX-D 100's Cesium Iodide (CsI) detector technology delivers outstanding image quality, immediate image availability and a high potential for significant dose reduction. The system offers instant bedside imaging via the DX-D 30C portable wireless DR panel, which, with a pixel size of just 125 μm – the smallest available in a full size detector – facilitates accurate diagnosis. The dose reduction offered by the DX-D 100 makes it ideal for vulnerable patient groups such as pediatrics and neonatal, as well as benefiting the system operators themselves.

Immediate image validation

Captured images can be validated immediately after exposure, and, should a retake be required, this can be made straightaway. With up to 4000 images stored on the DX-D 100 system at any one time, comparison with prior images is quick and easy. The option to retrieve older images stored previously on the IMPAX system can also be provided. The result is that patients benefit from shorter examination times and, ultimately, experience less discomfort.

Consistent image quality with MUSICA²

The DX-D 100 system uses MUSICA² image processing, with its excellent contrast detail and intelligent and automated digital radiography image processing, for consistently reliable, high quality image visualization. The MUSICA² software automatically analyzes the characteristics of each image and optimizes processing parameters – independent of user input and dose deviations. The result is minimal re- or post-processing and the potential for significant dose reduction.



DX-D 30C detector comes with two batteries and one battery charger as standard.



Generator settings are displayed on the monitor and can be adapted on the spot.



Wireless: Mobile: Maneuverable: Motorized. The DX-D 100 system from Agfa HealthCare

immediate

image transfer and access

Immediate access to images via WiFi, where supported; information transfer at the touch of a finger; a solution built on the proven technologies of Agfa HealthCare – the DX-D 100 system maximizes the benefits of technology.

Simple wireless image transfer and network printing

Image transfer and network printing is a simple and straightforward task. Images can be sent directly to your PACS, and/or imager immediately, in DICOM format, using either your WiFi connection or wired network capabilities.

From the imaging and integration specialists

Imaging and integration are our core business. In choosing the DX-D 100 system you can be confident that it is built on the same proven technologies as all Agfa HealthCare solutions. These solutions deliver top quality best-of-breed equipment, excellent productivity, competitive service and maintenance agreements. They come from a state-of-the-art, innovative vendor committed not simply to starting you on your digital journey, but helping you to progress on your digital path into the future.

Services & Support

Agfa HealthCare offers service agreement solutions tailored to the individual customer's situation. The service agreements are available in Basic, Comfort and Advanced levels, making lifecycle costs predictable. A worldwide team of some 1000 service professionals is at your disposal to provide support at all phases of your project. As an additional service, they can help you customize your examination tree or link RIS protocol codes for an even higher return on investment. Furthermore, this team carries out tasks that go well beyond maintenance, including value-added services such as super user training, staff training and software upgrades.

Maximum technological benefits from the wireless DX-D 100 system

DR detectors: instant previews and leading-edge resolution of 125 μm pixels

NX acquisition workstation: very fast acquisition, excellent connectivity with RIS/PACS, and intuitive user interface

MUSICA² imaging software: the reference in maximizing contrast-detail

X-ray equipment: reliable heavy duty system, handles demanding workflows



Immediate image capture at patient's bedside. The system incorporates fully integrated NX acquisition workstation touch screen.



Remote control and handheld switches allow you to remain close to your patient during image capture.

Wireless: Mobile: Maneuverable: Motorized. The DX-D 100 system from Agfa HealthCare

Why AGFA?

Agfa HealthCare is a global leader in the fast growing market of integrated IT and imaging systems, offering healthcare facilities a seamless flow of information and a 360° view of patient care. The company has a unique, holistic approach, enabling it to provide in-depth clinical know-how and fully integrated hospital-wide solutions. These specialized solutions integrate IT and imaging systems for Radiology, Cardiology, Mammography and Orthopaedics. Agfa HealthCare's DX-D 100 Direct Radiography solution provides maximum flexibility, the versatility to capture a wide range of studies, and enhanced productivity through excellence in image quality, making it the quick and easy way to go direct digital.

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Published by Agfa HealthCare N.V.

B-2640 Mortsel – Belgium

5SBBN GB 00201108