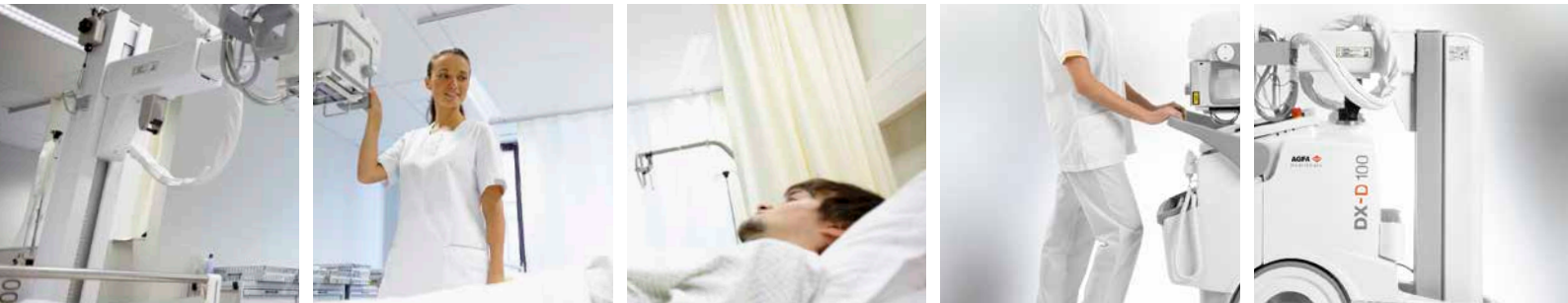


DIRECT RADIOGRAPHY

Delivering •  
**wireless**  
mobile imaging

DX-D 100 system – Direct Radiography from Agfa HealthCare



This brochure  
is enabled with  
Augmented Reality



**AGFA** *Agfa*  
HealthCare

# powerful

## imaging on the move

In ICUs, emergency rooms and operating theaters, bedside examinations are an important part of the care process. Agfa HealthCare's new DX-D 100 wireless mobile system can be easily 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 compact, mobile DX-D 100 is a fully motorized, heavy duty solution designed to cope with challenging imaging tasks. Secondary controls on the system's arm allow positioning to be refined without returning to the main console. This enables operation 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, the lack of trailing cable makes it a more hygienic solution, ideally suited for use in the ICU, pediatrics and neonatal areas.

### Batteries and configuration provide maximum power and autonomy

Lead crystal batteries are changing the possibilities of mobile imaging technology. Robust, resilient and performant, they offer 30% more autonomy, 30% more exposures, 30% more time before charging. The unique split battery set configuration further extends the autonomy, by taking the power needs of the motor and generator into account separately. This allows the DX-D 100 to capture, for example, up to 200 thorax examinations with one charge. The battery sets charge through a standard power socket, without special wiring, and the system can be used while charging, avoiding downtime.

### 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. The high power results in shorter exposure times and less motion blur, for sharper abdomen and spine examinations and sharper images for bariatric patients.

### Ergonomic and maneuverable in restricted spaces

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

### FreeView Technology

Navigating busy corridors and rooms is easier and safer with the FreeView technology: the telescopic arm and column are collapsible, ensuring you an unobstructed view as you maneuver. You can get to your patient swiftly and securely, while the easy-to-use system lets you quickly pop the column back up where you really need it: the patient's bedside.



Secondary controls on the system's arm allow refinement of positioning without the need to return to the main console.



With the telescopic column your view is unobstructed, letting you navigate more safely and get to your patient more quickly.



Enhanced convenience and hygiene, with 3 magnetic holders ideal for storing a packet of gloves and other supplies.\*



FreeView Technology



Telescopic column

\* Make sure hands and the touch screen are dry before utilizing the touch screen. Excess moisture may affect the behavior of the capacitive touch screen. The operator always should verify the selected parameters and settings before making an exposure.

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

# instant

high quality image capture

The DX-D 100 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 the built-in MUSICA image processing, you enjoy the same look and feel for CR and DR, minimizing the need for 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 the possibility for significant dose reduction. The system offers instant bedside imaging via the DX-D 30C portable wireless DR panel. Its pixel size of just 125  $\mu\text{m}$  – the smallest available in a full size detector – facilitates diagnosis. The potential dose reduction offered by the DX-D 100 makes it ideal for vulnerable patient groups such as pediatrics and neonatal, and benefits the system's operators themselves.

#### Consistent image quality with MUSICA

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

#### Immediate image validation

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

#### 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 X-ray settings used are sent to the NX workstation and linked to the image for archiving.

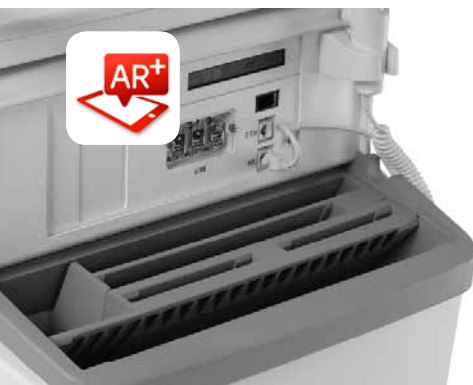
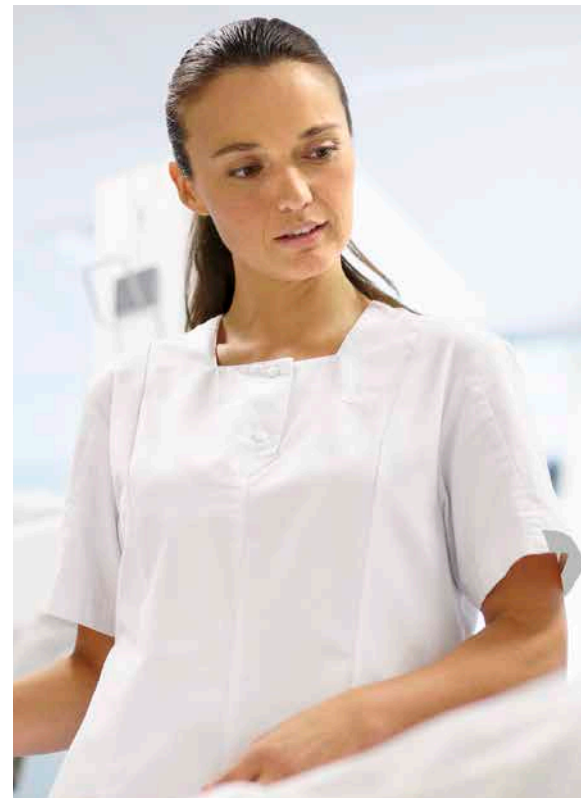




DX-D 30C detector comes with two batteries and one battery charger as standard.



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 with the touch of a finger; a solution built on the proven technologies of Agfa HealthCare – the DX-D 100 maximizes the benefits of technology.

## Simple wireless image transfer and network printing

With the DX-D 100, 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, 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, and 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 to helping you 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  $\mu$ m pixels

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

**MUSICA 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 the 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



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 Orthopedics. 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. ■

[www.agfahealthcare.com](http://www.agfahealthcare.com)

## A complete **DR portfolio** ■ ■ ■ empowered by **MUSICA**

From mobile to flexible C-arm, affordable floor-mounted or fully automated high-performance ceiling suspended DR rooms



Experience the possibilities of **Augmented Reality (AR)**, with the Agfa AR+ app. The app allows you to access AR, enriching a wide range of objects. The simple AR mechanism overlays or attaches virtual content to a physical object such as a page of a book or magazine, a painting, a billboard, a packaging, a sign, etc., allowing it to be experienced with an extra dimension using mobile devices or smart eyewear.

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