DR UPGRADE SOLUTION

DX-D RETROFIT



DX-D RETROFIT OFFERS AN EASY AND AFFORDABLE WAY TO GO DIRECT DIGITAL WHILE MAXIMIZING THE USE OF EXISTING X-RAY EQUIPMENT.

- All the workflow and image quality benefits of Direct Radiography
- Easy installation: quickly up and running
- Potential for dose reduction with use of Cesium Iodide (CsI) detectors
- Excellent contrast detail enhancement provided by MUSICA² software
- Connectivity to PACS, HIS/RIS and medical printers

An affordable DR solution that maximizes your existing equipment investment

With DX-D Retrofit, healthcare facilities using either analog or Computed Radiography (CR) can upgrade to the benefits of Direct Radiography (DR), without replacing their existing X-ray equipment. By maximizing the use of existing equipment while simplifying installation, DX-D Retrofit provides an easy and affordable way to implement Direct Digital image capture.

The solution consists of a flat panel DR detector, a retrofit box and an NX workstation with Agfa HealthCare's gold standard MUSICA² image processing software. The simple installation of the DX-D Retrofit solution poses no risk to your X-ray modality, while offering you all the workflow and image quality benefits of MUSICA² and a cassette-less workflow. Options include tethered GOS or CsI detectors, or the DX-D 30C wireless detector for even greater flexibility. The wireless panels can be shared with other fixed or mobile Agfa HealthCare DR solutions, for convenience and additional cost savings.

AGFA HealthCare

All the workflow and image quality benefits of Direct Radiography

As part of a direct digital solution, DX-D Retrofit improves workflow and reduces overall exam time. The correct positioning of the patient and the quality of the image can be verified immediately. Cassette-less workflow eliminates risk of cassette mix ups, and the number of images is no longer limited by the number of cassettes available. The images can be sent immediately to the Picture Archiving and Communication System (PACS) or medical printer in DICOM format. The 35 x 43 cm panels fit into any standard bucky tray without modifications, and can be removed to ensure versatility for all exams.



Easy installation: quickly up and running

Via simple connection to the X-ray unit's console, DX-D Retrofit does not change the existing functionality of your X-Ray unit. In this way, it can safely function in combination with the original equipment.

This simple connection also allows fast installation: typically within one day. And since very little training on new features is necessary, you can get up and running quickly.

Potential dose reduction*

DX-D Retrofit comes with your choice of high quality wireless and tethered detectors: either Cesium Iodide (CsI) or Gadolinium Oxysulphide (GOS). The excellent DQE of CsI provides the potential for patient dose reduction and improved image quality, while the wireless capability of the DX-D 30C detector affords the greatest versatility. Two batteries and a charger are always included with each DX-D 30C detector.



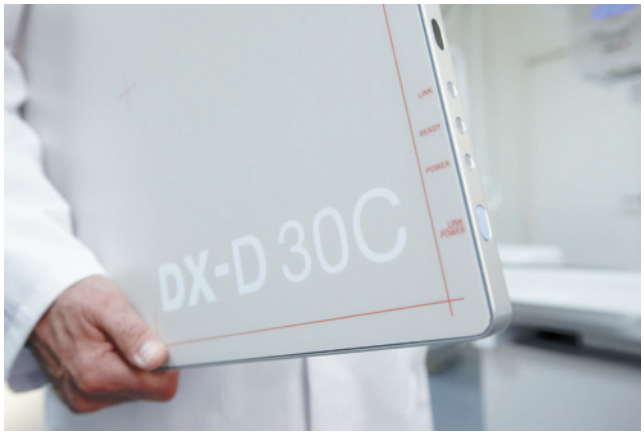
Excellent contrast detail provided by MUSICA²

Our 'gold standard' MUSICA² image processing, which comes with DX-D Retrofit, has been specially adapted and tuned to further enhance the excellent DR image quality. Exam-independent, it provides consistent image quality and high contrast detail improving both workflow and diagnostic confidence.

* When used with CR needle-based (CsI) detectors

Connectivity to PACS, HIS/RIS and medical printers

DX-D Retrofit provides excellent workflow for general radiography. The NX workstation interface shares the same look and feel of Agfa HealthCare CR solutions, offering fast previews and low cycle times, as well as seamless connectivity to most Radiology Information Systems (RIS), PACS and Hospital Information Systems (HIS).



Services & Support

Agfa HealthCare offers service agreement solutions tailored to the individual customer's situation. The service agreements are available in Basic, Advantage, and PM Only levels, making lifecycle costs predictable.

A worldwide team of some 1,000 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.

technical

SPECIFICATIONS

DX-D 10
DETECTOR

- Receptor type: Amorphous Silicon with Charge Well Pixel™ Technology
- Conversion screen: Cesium Iodide (CsI) and Gadolinium Oxysulphide (GOS)
- Effective Image Area: 424 x 353 mm (16.7 x 13.9 in)
- Size: 46 x 38.4 x 1.5 cm (18.1 x 15.1 x 0.6 in) (ISO 4090)
- Weight: 3.9 kg (8.6 lbs)
- Pixel matrix: 3,052 (h) x 2,540 (v)
- Pixel pitch: 139 mm
- Resolution: 3.6 lp/mm
- Energy range: 40 - 150 kVp
- A/D conversion: 14 bits
- Data output: gigabit Ethernet

Environmental

- Shock: high shock tolerance
- Water: water resistant

Temperature range

- Operating (at back cover): 10 to 35° C (max) (50° to 95° F (max.))
- Ambient - Storage: -20° C to 70° C (-4° to 125° F)

Humidity

- Operating (non-condensing): 10 to 90 % RH
- Storage (non-condensing): 10 to 90 % RH

Regulatory

- CE label
- US: UL 60601-1
- Canada: CSA 22.2 No. 601.1-M90

Power

- Power dissipation: 35 watts (max)
- I/O interface box: 100 - 240 VAC, 47 - 63 Hz (up to 9 m away from panel)

DX-D 30C DETECTOR

- Receptor type: Amorphous Silicon Technology
- Conversion screen: Cesium Iodide (CsI)
- Effective Image Area: 350 x 426 mm (13.8 x 16.8 in)
- Size: 46 x 38.4 x 1.5 cm (18.1 x 15.1 x 0.6 in) (ISO 4090)
- Weight: 3.4 kg (7.5 lbs) (incl. battery)
- Gray scale: 4,096 gradations
- Pixel matrix: 3,408 (h) x 2,800 (v) (approx. 9.5 million pixels)
- Pixel pitch: 125 μm
- Resolution: 4 lp/mm
- Energy Range: 40 - 150 kVp
- Wireless data transmission from detector to access point: IEEE 802.11n (2.4 GHz)

ENVIRONMENTAL REQUIREMENTS

Operation

- Temperature: 15 to 30° C (59° to 86° F)
- Humidity: 30 to 80 % RH (without condensation)
- Atmospheric pressure: 700 to 1,060 hPa

Storage (unpacked)

- Temperature: 5 to 40° C (41° to 104° F)
- Humidity: 30 to 85 % RH (without condensation)
- Atmospheric pressure: 700 to 1,060 hPa

Transportation (in package at point of purchase)

- Temperature: -30 to 50° C (-22° to 122° F)
- Humidity: 10 to 95 % RH (without condensation)
- Atmospheric pressure: 700 to 1,060 hPa

BATTERY PACK

- Type: Lithium ion battery
- Operation temperature range: 15 to 30° C (59° to 86° F)
- Operational humidity: 85 % RH or less
- Rated voltage: 11.1 V DC
- Capacity: Typ. 2,490 mAh/Min. 2,400 mAh
- Battery performance: up to 140 images (@ 100 s cycle, 1 s sleep)
- Charging time: approx. 3 hours (from empty to full charge)
- Dimensions: 127 x 161 x 7 mm (5.00 x 6.34 x 0.28 in)
- Weight: 250 g (0.55 lbs)

BATTERY CHARGER

- 2 slots to charge 2 battery packs at the same time
- Rated input power: 100 - 240 V AC, 50/60 Hz, 0.7 - 0.37 A, 70 - 90 VA
- Rated output power: 12.33 V DC/1.2 A
- Operation temperature and humidity range: 5 to 35° C (41° to 95° F), 20 to 85 % RH
- Storage temperature and humidity range: -30° C to 60° C (-22° to 140° F), 10 to 85 % RH
- Dimensions: 105 x 230 x 110 mm (4.13 x 9.05 x 4.33 in)
- Weight: 780 g (1.72 lbs) (excl. cables and cords)

X-RAY INTERFACE UNIT

- Rated input power: 12V DC, 0.25 A (powered by an AC adapter)
- Dimensions: 195 x 140 x 55 mm (7.68 x 5.51 x 2.17 in)
- Weight: 1 kg (2.20 lbs) (excl. cables and cords)

Why 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 Orthopaedics. Agfa HealthCare's enterprise-wide IT platform integrates administrative and clinical data within a healthcare facility and is designed to match the unique needs of specific healthcare professionals.

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Published by
Agfa HealthCare Corp.
10 South Academy Street
Greenville, SC 29601 USA
5TOGN US 00201209

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