

## DIGITAL WIRELESS DETECTOR

# DX-D 30C



### An easy way to go wireless

For both conventional and mobile digital X-ray systems and for use in all Agfa HealthCare's DR rooms, the cassette-size DX-D 30C Digital Wireless Detector offers general radiography facilities all the advantages of Direct Digital while maximizing the use of their existing equipment. With the 43 x 35 cm image size, the detector fits into any standard bucky tray and can be removed to ensure versatility for all exam types.

The DX-D 30C is an integral part of an Agfa HealthCare Imaging or Integration package. These packages include an NX with MUSICA<sup>2</sup> processing, XRDI Interface and detector.

**THE DX-D 30C DIGITAL WIRELESS DETECTOR OFFERS GENERAL RADIOGRAPHY FACILITIES A FAST AND EFFECTIVE WAY TO BENEFIT FROM HIGH QUALITY DIGITAL IMAGING LEVERAGING EXISTING X-RAY INVESTMENTS.**

- Provides an easy way to go Direct Digital
- Detector is the size of a standard 35 x 43 cm cassette, for greater convenience and portability
- MUSICA<sup>2</sup> processing for excellent contrast detail and exam-independent, consistent image quality
- Improves workflow and exam speed
- Excellent connectivity to PACS, HIS/RIS and imagers
- Cesium Iodide (CsI) detector conversion screen
- Small pixel size gives more image information, for improved diagnostic confidence

### Faster and more efficient workflow

As part of a cassette-less and filmless solution, the DX-D 30C provides a host of benefits that improve workflow and speed up exam time. Retakes can be made right away, without changing the cassette, and without the risk of a patient's cassettes being confused with any others. What's more, the number of images is no longer limited by the number of cassettes available, allowing immediate access to additional views if required. And to complete the workflow, images can be sent immediately to the PACS or imager in DICOM format.

### Improved diagnostic confidence

The DX-D 30C offers a very small pixel size for a full size detector, 125  $\mu\text{m}$ , so each image contains more image information. The additional 9.5 megapixels per image can translate into a clearer image.

### MUSICA<sup>2</sup>: tuned for excellent results

The DX-D 30C comes with our 'gold standard' MUSICA<sup>2</sup> image processing software, which has been specially adapted and tuned to further enhance the excellent DR image quality. Exam-independent, MUSICA<sup>2</sup> provides consistent image quality and high contrast detail.

### 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.

Note: Extended warranty as well as drop insurance also are available for the DX-D 30C.

# technical

## SPECIFICATIONS

### DETECTOR

- **Receptor type:** Amorphous Silicon Technology
- **Conversion screen:** Cesium Iodide (CsI)
- **Effective Image Area:** 350 x 426 mm
- **Size:** 46 x 38.4 x 1.5 cm (18.1 x 15.1 x 0.6 inch) (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  $\mu$ m
- **Resolution:** 4 lp/mm
- **Energy Range Standard:** 40-150 kVp
- **Wireless data transmission from detector to access point:** IEEE 802.11n

### 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 800 images (@ 15 s cycle, 1 s sleep) or 140 images (@ 100 s cycle, 1 s sleep) without recharging
- **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 inch)
- **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 VA-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 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 inch)
- **Weight:** 780 g (1.72 lbs) (excl. cables and cords)

### X-RAY INTERFACE UNIT

- **Rated input power:** 12 V DC, 0.25 A (powered by an AC adapter)
- **Dimensions:** 195 x 140 x 55 mm (7.68 x 5.51 x 2.17 inch)
- **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 all administrative and clinical data within a healthcare facility and is designed to match the unique needs of specific healthcare professionals.

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