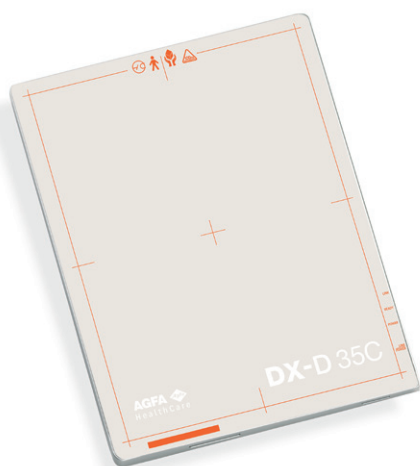


DIGITAL WIRELESS DETECTOR

DX-D 35C



A convenient way to go wireless

The DX-D 35C Digital Wireless Detector offers general radiography facilities all the advantages of wireless Digital Radiography [DR] with the Agfa HealthCare NX Workstation and MUSICA², in a smaller, more compact format. It can be used with both conventional and mobile digital X-ray systems including all Agfa HealthCare DR rooms and the DX-D 100. The high spatial resolution of the DX-D 35C image is further enhanced with MUSICA² image processing for diagnostic confidence.

THE COMPACT, EASY TO HANDLE DX-D 35C DIGITAL WIRELESS DETECTOR OFFERS GENERAL RADIOGRAPHY FACILITIES HIGH-QUALITY DR WITH GREAT SPATIAL DETAIL.

- Ideal for exams that require a compact, light and easy-to-handle detector, including neonatal, pediatric and extremity exams
- Improves workflow and exam speed
- Small pixels size gives more image information, for improved diagnostic confidence
- MUSICA² processing is automatic, exam independent multi-scale image processing providing excellent contrast detail and consistently high quality images
- Excellent connectivity to PACS, RIS and imagers
- Cesium Iodide (CsI) detector conversion screen with twice the DQE for potential dose reduction*

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

Compact size offers benefits

The convenient dimensions of the DX-D 35C make it an excellent solution for imaging of premature infants. With its smaller-than-standard 35 x 27.4 cm image size, it can fit into an incubator bucky tray. Cost effective, light and easy to handle, it is also ideal for extremity imaging and as a second, additional detector in the X-ray room.

Smoother, faster workflow

The DX-D 35C is part of a cassette-less and filmless solution, which improves workflow and speeds up exam times. Digital cassette-less workflow means immediate image availability, rapid cycle time, more time with the patient and fewer steps. There is no risk of patients' cassettes being mixed up, and images can be sent immediately to the PACS or imager in DICOM format. Wireless means portable and easier to clean; no strings attached.

Improved diagnostic effectiveness

The DX-D 35C offers a very small pixel size: 125 μm so each image contains more image information - 6.1 megapixels. And more image information means more informed diagnosis.

MUSICA²: consistently high image quality, enhanced contrast detail

The DX-D 35C comes with our 'gold standard' MUSICA² image processing, which has been specially adapted and tuned to further enhance the excellent DR image quality. The exam-independent MUSICA² provides consistent image quality across the entire dynamic range so that boney tissue, and soft tissue can both exhibit fine detail in the same image.

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, Agfa HealthCare Professional Services can help you customize your examination tree or link RIS protocol codes, for improved workflow and higher return on investment. Tasks go well beyond maintenance, and can include value added services such as super user training, staff training and software upgrades. For the DX-D 35C, an extended warranty and 'drop' protection plans are also available.

technical

SPECIFICATIONS

DETECTOR

- **Receptor type:** Amorphous Silicon Technology
- **Conversion screen:** Cesium Iodide (CsI)
- **Effective Image Area:** 350 x 274 mm
- **Size:** 38.4 x 30.7 x 1.5 cm (15.1 x 12.1 x 0.6 inch) (ISO 4090)
- **Weight:** 2.3 kg (5.1 lbs) (incl. battery)
- **Gray scale:** 4,096 gradations
- **A/D conversion:** 14 bits
- **Pixel Matrix:** 2,192 (h) x 2,800 (v) (approx. 6.1 million pixels)
- **Pixel Pitch:** 125 μ m
- **Resolution:** 4 lp/mm
- **Energy Range Standard:** 40-150 kVp
- **Wireless data transmission from detector to access point:** IEEE 802.11n (2.4/5 Ghz)

ENVIRONMENTAL REQUIREMENTS:

Operation

- **Temperature:** 15 to 30° C (59 to 86° F)
- **Humidity:** 30 to 80% RH (without condensation)
- **Atmospheric pressure:** 700 to 1060 hPa

Storage (unpacked)

- **Temperature:** 5 to 40° C (41 to 104° F)
- **Humidity:** 30 to 85% RH (without condensation)
- **Atmospheric pressure:** 700 to 1060 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 1060 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.

www.agfahealthcare.com

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Published by
Agfa HealthCare Corp.
10 South Academy Street
Greenville, SC 29601 USA
5U57C US 00201303