

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 Direct Digital, while maximizing the use of their existing equipment. It can be used with both conventional and mobile digital X-ray systems and all Agfa HealthCare DR rooms. The DX-D 35C is an integral part of an Agfa HealthCare Imaging or Integration package, which also includes an NX with MUSICA² processing, X-ray Device Interface and detector.

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

- Ideal for exams that require a compact, light and easy-to-handle detector, including neonatal, pediatric and extremities exams
- Improves workflow and exam speed;
- Small pixels size gives more image information, for improved diagnostic confidence;
- MUSICA² processing offers excellent contrast detail and exam-independent, consistent image quality;
- Excellent connectivity to PACS, HIS/RIS and imagers;
- Cesium Iodide (CsI) detector conversion screen.

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. The range of benefits includes immediate retakes (without the need to change the cassette), while the number of images you can take is no longer limited by the number of cassettes you have available. There is no risk of patients' cassettes being mixed up, and images can be sent immediately to the PACS or imager in DICOM format.

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: consistent image quality, high 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 ensures 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, Comfort and Advanced 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. 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' insurance 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
- **Humidity:** 30 to 80% RH (without condensation)
- **Atmospheric pressure:** 700 to 1060 hPa

Storage (unpacked)

- **Temperature:** 5 to 40° C
- **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
- **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
- **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, 20 to 85% Rh
- **Storage temperature and humidity range:** -30 to 60° C, 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

Agfa and the Agfa rhombus are trademarks of Agfa-Gevaert N.V., Belgium, or its affiliates. MUSICA is a trademark of Agfa HealthCare NV, Belgium or its affiliates. All other trademarks are held by their respective owners and are used in an editorial fashion with no intention of infringement. The data in this publication are for illustration purposes only and do not necessarily represent standards or specifications, which must be met by Agfa HealthCare. All information contained herein is intended for guidance purposes only, and characteristics of the products and services described in this publication can be changed at any time without notice. Products and services may not be available for your local area. Please contact your local sales representative at agfa.com for availability information. Agfa HealthCare diligently strives to provide as accurate information as possible, but shall not be responsible for any typographical error.

© 2012 Agfa HealthCare NV

All rights reserved

Printed in Belgium

Published by Agfa HealthCare NV

B-2640 Mortsel - Belgium

5TCRW GB 00201210