

# DX-D 20

## DIGITAL DETECTOR WITH HANDLE

The DX-D 20 Digital Detector, with a handle for easy placement, offers general radiography facilities a fast and effective way to benefit from high quality digital imaging using existing X-ray equipment.

- Provides an easy way to go Direct Digital
- Maximizes existing equipment investment
- Offers convenience and portability, including a handle for easy use
- Improves workflow and exam speed
- Excellent connectivity to PACS, HIS/RIS and imagers
- Choice of Cesium Iodide (CsI) or Gadolinium Oxy-Sulphide (GOS) detector conversion screens
- Small pixel size gives more image information, for improved diagnostic effectiveness
- MUSICA processing for excellent contrast detail and exam-independent, consistent image quality

### An easy way to go Direct Digital

For both conventional and mobile digital X-ray systems, Agfa's DX-D 20 Digital Detector offers general radiography facilities all the advantages of Direct Digital, while maximizing the use of their existing equipment.

The 43 x 35 cm detector is surrounded by a strong enclosure with a handle for ease of placement and use. Ease of handling enables the flat panel detector to be versatile for all exams.

The DX-D 20 is an integral part of an Agfa Imaging or Integration package. These packages include an NX with MUSICA processing, XRDl Interface and detector.





### Faster and more efficient workflow

As part of a cassette-less and filmless solution, the DX-D 20 provides a host of benefits that improve workflow and speed up exam time. Retakes can be made immediately without changing cassette, and there is no risk of patients' cassettes being mixed up. What's more, the number of images is no longer limited by the number of cassettes available. To complete the workflow images can be sent immediately to PACS or imager in DICOM format.

### Improved diagnostic effectiveness

The DX-D 20 offers the smallest pixel size available: 139  $\mu\text{m}$ . So each image has more image information - 7.8 megapixels. And more image information means more diagnostic confidence.

### MUSICA: tuned for the best results

The DX-D 20 is compatible with our 'gold standard' MUSICA image processing, which 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.

# Technical Specifications

## DETECTOR

- **Detector type:** Amorphous Silicon with Charge Well Pixel™ Technology
- **Conversion screen:** CsI and GOS
- **Total pixel area (H x V):** 475 x 492 mm (18.7 x 19.37")
- **Active pixel area (H x V):** 424 x 353 mm (16.7 x 13.9")
- **Total pixel matrix (H x V):** 3072 x 2560 pixels
- **Active pixel matrix (H x V):** 3052 x 2540 pixels
- **Pixel Pitch:** 139 µm
- **Limiting Resolution:** 3.6 lp/mm
- **Energy Range Standard:** 40 - 150 kVp
- **Fill Factor:** 100 %
- **Scan Method:** Progressive
- **A/D conversion:** 14 bits
- **Image preview:** 1 second
- **Cycle time (minimum/standard):** 8/10 sec
- **Data output:** gigabit Ethernet
- **Inputs exposure control:** Prepare, Expose-Request
- **Outputs exposure control:** Expose-OK
- **Outer dimensions:** 492 x 475 x 23 mm (19.4 x 18.7 x 0.9")
- **Weight:** 4.9 kg (10.8 lbs)

## Environmental requirements

### Operation

- **Shock:** high shock tolerance
- **Water:** water resistant
- **Temperature:** +10 ~ +35° C
- **Humidity:** 10 ~ 90% Rh

### Storage and transportation

- **Temperature:** -20 ~ +70° C
- **Humidity:** 10 ~ 90% Rh

### Power

- **Power Dissipation:** 35 watts (max)
- **I/O Interface Box:** 100-240 VAC, 47-63 Hz

### Cable

- **Cable length:** 4.5 m

## SAFETY

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

For more information on Agfa, please visit our website on [www.agfa.com](http://www.agfa.com) ■

Agfa and the Agfa rhombus are trademarks of Agfa-Gevaert NV, Belgium, or its affiliates. DX-D and MUSICA are trademarks of Agfa-Gevaert NV, Belgium, or its affiliates. All rights reserved. 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 for availability information. Agfa-Gevaert NV diligently strives to provide as accurate information as possible, but shall not be responsible for any typographical error.

© 2018 Agfa NV  
All rights reserved  
Published by Agfa NV  
Septestraat 27 - 2640 Mortsel  
Belgium

5S3WZ US 00201807