

DX-D 10

DIGITAL DETECTOR

The DX-D 10 Digital Detector 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
- 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 10 Digital Detector offers general radiography facilities all the advantages of Direct Digital, while maximizing the use of their existing equipment.

At 43 x 35 cm in size, the detector fits into any standard bucky tray and can be removed to provide versatility for all exams.

The DX-D 10 is an integral part of an Agfa Imaging or Integration package. These packages include an NX with MUSICA processing, XREDI Interface and detector.





Faster and more efficient workflow

As part of a cassette-less and filmless solution, the DX-D 10 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. And to complete the workflow images can be sent immediately to PACS or imager in DICOM format.

Improved diagnostic effectiveness

The DX-D 10 offers the smallest pixel size available: 139 μm . 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 10 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):** 427 x 356 mm (16.8 x 14.0")
- **Active pixel area (H x V):** 42.4 x 35.3 cm (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:** 460 x 384 x 15 mm (18.1 x 15.1 x 0.6")
- **Weight:** 3.9 kg (8.6 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 (up to 9 m away from panel)

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 ■

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