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www.agfalarc.com

Why Agfa HealthCare?

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The DX-G digitizer unites excellent image quality with a drop-and-go buffer-based workflow and enables a potential reduction in patient dose. It offers the unprecedented convenience of being able to combine standard phosphor plates and needle-based detectors.

- Excellent image quality, with potential dose reduction
- Drop-and-go cassette buffer
- Broad range of applications
- Both needle-based detectors and standard phosphor plates

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30 North Academy Ave.
Enfield, CT 06082 USA
WWW.AGA.COM
Maximum productivity and smooth workflow

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To eliminate any confusion, needle-based detector cassettes are gray, while standard phosphor plate cassettes are orange to help the user more easily select the desired cassette. Each plate has an embedded memory that stores the data entered during identification by no-touch radiofrequency tagging. Thus, the identification data and images are linked from the beginning throughout the entire digital processing system.

Excellent image quality, with potential dose reduction

By supporting both standard phosphor plates and needle-based detectors, the DX-G creates a perfect compromise with top image quality, while leveraging a radiography department’s existing investments. With standard phosphor plates, the DX-G delivers excellent image quality. When used with direct RF needle-based detectors, the DX-G provides excellent image quality with a much tighter (Efficiency Quantum Efficiency (IQE)) and offers the potential to reduce patient dose.

Broad range of applications

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<tr>
<th>Needle-based detector</th>
<th>Size</th>
<th>Spatial resolution</th>
<th>Pixel matrix</th>
</tr>
</thead>
<tbody>
<tr>
<td>CR-HDS 0 General S1</td>
<td>35 x 40</td>
<td>6.7 pixels/mm</td>
<td>2272 x 2006</td>
</tr>
<tr>
<td>CR-HDS 0 General</td>
<td>35 x 40</td>
<td>10 pixels/mm</td>
<td>3408 x 4200</td>
</tr>
<tr>
<td></td>
<td>24 x 30</td>
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<td>2256 x 2900</td>
</tr>
<tr>
<td></td>
<td>18 x 24</td>
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<td>1656 x 2200</td>
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<tr>
<td></td>
<td>15 x 18</td>
<td>10 pixels/mm</td>
<td>1344 x 1760</td>
</tr>
<tr>
<td>CR-HDS 0 AEC</td>
<td>35 x 40</td>
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</tr>
<tr>
<td>Standard phosphor plate</td>
<td>Size</td>
<td>Spatial resolution</td>
<td>Pixel matrix</td>
</tr>
<tr>
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SAFETY

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<tr>
<th>Region</th>
<th>Safety</th>
<th>EMC</th>
<th>Laser</th>
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<td>1568001-1:2003</td>
<td>FCC part 15</td>
<td>CFR parts 2001.38 and 3040.61</td>
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<tr>
<td>Canada</td>
<td>CSA C22.2 No.4851.1-</td>
<td>CSA C22.2 No.4851.2-</td>
<td>CSA 61012.1</td>
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Excellent image quality, with potential dose reduction

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Needle-based detector Powder phosphor plate

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<td>35 x 40</td>
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</tr>
<tr>
<td></td>
<td>30 x 30</td>
<td>10 pixels/mm</td>
<td>165 x 2280</td>
</tr>
<tr>
<td></td>
<td>35 x 30</td>
<td>10 pixels/mm</td>
<td>134 x 1800</td>
</tr>
<tr>
<td>CR-HDS D AEC</td>
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<tr>
<td>CR-HDS D FLITE</td>
<td>35 x 40</td>
<td>10 pixels/mm</td>
<td>340 x 4508</td>
</tr>
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Standard phosphor plate Powder phosphor plate
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Region Safety EMC Laser

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**technical specifications**

**Power**
- 200 - 240V/50-60 Hz

- Standby 87 W, peak 349 W, fuse 16 A
- 120V/60Hz (USA)
  - Standby 82 W, peak 302 W, fuse 15 A
  - 120V/60Hz (Japan)
  - Standby 92 W, peak 302 W, fuse 15 A

**Dimensions and weight**
- 35 x 43 cm (14 x 17 in) = approx. 83 plates/hour

**Throughput**
- 242 W
- Standby 92 W, peak 621 W, fuse 15 A

**General configuration requirements**
- (W x D x H): 115 x 51 x 123 cm (45.3 x 20 x 48.4 in)

**CR IDNX tablet**
- 32-bit/16-bit square root

**Operating environment DX-G digitizer**
- Temperature: 15 - 30˚ C (59 - 86˚ F)
- Humidity: 5 - 95 % RH
- Rate of change of temperature: 0.5˚ C/minute (0.9˚ F)
- Air pressure: max. 65 dB (A)
- Temperature: 0 to +40˚ C
- Voltage: 220 V/60 Hz (USA)
- Voltage: 100 V/60 Hz (Japan)
- No interference: max. 65 dB (A)
- Fuse: 15 A

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**Environmental conditions DX-G digitizer**
- Humidity: 15 - 75 % RH

**DX-G**

**DX-G DIGITIZER**

**Dimensions and weight**
- 35 x 43 cm (14 x 17 in)
- Weight: approx. 180 kg (397 lbs)

**Configuration requirements**
- NBD
- EDU
- CR IDNX A Detectors and Cassettes
- CR IDNX M Detectors and Cassettes

**Display for status and error indication**
- LED touchscreen
- LED status indicator

**Grey scale resolution**
- Output is presented: 16 bits (single linear space compressed)

**Transport details**
- Temperature: 0 - 60˚ C (-4 to 140˚ F)
- 25°C: 0% relative humidity 45°C: 95% relative humidity

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- Incompliance with IEC 60601-1-2

- Power dissipation: standby 92 W, continuous operation 242 W

**SAMY® Approvals**
- IEC classified Class I, CR

**NEXT-GENERATION CR SYSTEM**

**DX-G**

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www.agfaluscare.com

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- **Why Agfa HealthCare?**
  - **Enterprise-wide:** Integrated systems in the enterprise-wide IT platform, supporting the entire radiography department.
  - **Intelligent:** The next-generation CR for general radiography.

- **Broad potential:** DirectriX detector technology offers the potential for a reduction in patient dose.

- **Top rate:** The DX-G digitizer unites excellent image quality with a drop-and-go buffer-based workflow and enables a potential reduction in patient dose. It offers the unprecedented convenience of being able to combine standard phosphor plates and needle-based detectors.

- **Excellent image quality:** With potential dose reduction.

- **Drop-and-go cassette buffer:** Broad range of applications.

- **Both needle-based detectors and standard phosphor plates**
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DX-G

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