Affordable and efficient computed radiography solution offering high image quality and high speed

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Why Agfa HealthCare?

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Balancing speed and resolution

With the CR 12-X, the user can choose to adjust speed and resolution depending on the needs of the exam. The user can easily overwrite the default settings for each exam, depending on the specific speed/quality priorities, study by study.

Convenient and fast workflow

The CR 12-X works in conjunction with NX, Agfa HealthCare’s image identification and quality control tool, for a highly efficient and optimized, yet customizable, radiology workflow. It comes with Agfa HealthCare’s gold-standard MUSICA² software, which automatically handles all calibration and image processing, independently of body part and dose, optimizing the final image quality without the need for any human intervention or special training.

Robust yet easy to install and maintain

Installing the CR 12-X is fast and easy. Special LED technology in the erasure unit means low power consumption. With its ‘one screwdriver’ concept and modular, component-based design, maintenance is faster, easier and more cost-effective, as well. Consequently, set up costs are lower and installation simpler.

Networking capabilities deliver seamless integration

The CR 12-X is fully DICOM-compliant, to easily integrate with other solution elements; we recommend combining it with Agfa HealthCare’s IL software suite for a complete software solution, or with the DRYSTAR 5302 imager for a hardcopy solution.

Bar code

To guarantee highest image quality, each image plate features a bar code which contains all plate specific data.
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Fits in small spaces and is suited for mobile applications

With its table-top size, the CR 12-X digitizer can be placed easily at any location, no matter how small, and was designed with ease of use in mind. The CR 12-X can also be fitted into cars, vans, trucks and other mobile facilities, for mobile applications. Due to the low power consumption, connection to battery can be easily realized.

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Technical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
<td></td>
</tr>
<tr>
<td>Digitizer type</td>
<td>Single cassette feed</td>
</tr>
<tr>
<td>Cycle time</td>
<td>30 x 41 cm (14 x 17&quot;) : 60 seconds (depending on resolution)</td>
</tr>
<tr>
<td>Display</td>
<td>LED Status indicator</td>
</tr>
<tr>
<td></td>
<td>Status and error messages on external PC monitor</td>
</tr>
<tr>
<td>Grey scale resolution</td>
<td>10 pixels/mm</td>
</tr>
<tr>
<td>Depth without cassette</td>
<td>300 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>28 kg</td>
</tr>
<tr>
<td>Power</td>
<td>Analog output power supply (24 V output)</td>
</tr>
<tr>
<td></td>
<td>Input: 100 V - 240 V</td>
</tr>
<tr>
<td></td>
<td>fuse: Europe max 16 A; USA max 15 A</td>
</tr>
<tr>
<td>Minimum requirements</td>
<td>CR MD1.0 General Cassette</td>
</tr>
<tr>
<td></td>
<td>CR MD1.0 General Plate</td>
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</table>

Cassette Sizes

<table>
<thead>
<tr>
<th>Cassette Size</th>
<th>Spatial Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>35 x 43 cm (14 x 17&quot;)</td>
<td>For General Radiography 10 pixels/mm 6.6 pixels/mm 5 pixels/mm For FLFS 10 pixels/mm 5 pixels/mm</td>
</tr>
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Horizontal cassette insertion prevents dust and dirt from being introduced during normal operation.

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Bar code

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CASSETTE SIZES

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Technical specifications

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<tr>
<th>General</th>
<th>CR 12-X DIGITIZER</th>
</tr>
</thead>
<tbody>
<tr>
<td>CR 12-X DIGITIZER</td>
<td>CR 12-X DIGITIZER</td>
</tr>
<tr>
<td>Dimensions and weight</td>
<td>Power</td>
</tr>
<tr>
<td>W x D x H: 580 x 700 x 471 mm</td>
<td></td>
</tr>
<tr>
<td>Depth without cassette unit and extension: 380 mm</td>
<td></td>
</tr>
<tr>
<td>Weight: 29 kg</td>
<td></td>
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<td></td>
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<tr>
<td></td>
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</tr>
</tbody>
</table>

Environmental conditions

- In line with: IEC 725-3-0 (1997): class 1B2, with the following restrictions: |
  - Temperature: 15 - 35 °C |
  - Humidity: 15 - 75 % RH (non-condensing) |
  - During transport: in line with IEC 725-3-5: 5K1 and 5M3 |

Environmental effects

- Noise level: max. 65 dB (A) |
- Heat dissipation: standby 22 W, max. 140 W |

Mobile use

- In line with IEC725-3-0 (1997): with the following restrictions: |
  - Temperature: +15° C to +35° C |
  - Humidity: 15 - 75 % RH (non-condensing) |
  - During transport: in line with IEC725-3-5: 5K1 and 5M3 |

Transport

- In line with: IEC 725-3-2 (1997): class 1B2, with the following restrictions: |
  - -25 to +55° C (-4 to 131° F) |

Storage

- Packed device shall withstand the following mechanical conditions: IEC 725-3-5: class 1B2 and IEC 725-3-3 (1993): class 2K2, including sea transport. |

SAFETY Approvals

- CE, cNRTLus
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