CR 30-X Digitizer

SAFETY

<table>
<thead>
<tr>
<th>Region</th>
<th>Regulation</th>
<th>X-ray</th>
<th>Laser</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>EN 60825 - 1: 2000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canada</td>
<td>CSA22.2 No.601.3 No.601.1.2</td>
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</table>

CR 30-X

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 360º 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 Orthopedics. 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.

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NO QUALITY COMPROMISES.

- Table-top digitizer
- Broad range of applications
- Low cost of ownership
- Horizontal cassette insertion
- Mobile

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Broad range of applications
CR 30-X is a highly versatile digitizer. It offers an ideal solution for any private and decentralized CR environment. CR 30-X can handle general radiology and dental applications.

Full data

The CR 30-X makes no compromises in image quality: it reads imaging plates at the high resolution of 10 pixels/mm for all image plate sizes.
Table-top

With its table-top size, the CR 30-X digitizer can be placed easily at any location. It works with dedicated cassettes and was designed with ease of use in mind, for optimal handling, comfort and maintenance. When combined with the optionally available universal X-ray shielding, the CR 30-X can be used inside the X-ray room.

Low total cost of ownership

Installing the CR 30-X can be done in a single day. With the special LED technology in the erasure unit, no additional electricity is required, so standard electrical outlets are sufficient. No preliminary electrical work means a lower set-up cost and simpler installation. With its modular, component-based design, it offers faster, easier and more cost-effective maintenance.

NX

CR 30-X is available in combination with NX, Agfa’s image identification and quality control tool, for a highly efficient and optimized radiology workflow.

Cassettes with memory

CR 30-X uses dedicated cassettes with an embedded memory that stores the data entered during identification. The built-in antenna card identifies the cassette by reading and storing these data. No-touch radiofrequency tagging identifies the cassette data from the beginning throughout the entire electronic processing system.

Technical specifications

| GENERAL |
|-----------------|-----------------|-----------------|
| Digitizer type | • Model number  CR MD 4.0T General Cassette |
| | • CR MD 4.0T FLFS Cassette |
| | • CR MD 4.0 General Plate |
| | • NX |
| Environmental conditions | • Temperature: 15 - 30° C (59 - 86° F) |
| | • Humidity: 15 - 80 % RH |
| | • Magnetic fields: max. 3.8 µT in conformance with EN 61000-4-8: level 2 |
| | • Rate of change of temperature: 0.5° C/minute (0.9° F) |
| Environmental effects | • Noise level: max. 65 dB (A) |
| | • Heat dissipation: standby 120 W, max. 320 W |

| SAFETY |
|-----------------|-----------------|-----------------|
| Approvals | • UL, UL, CE |
| Transport details | • Temperature: -25 to +55° C (-4 to 131° F) |
| | • Humidity: 5 - 95 % RH |

<table>
<thead>
<tr>
<th>CASSETTE SIZES: CR MD 4.0T GENERAL CASSETTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accepted Cassette Sizes</td>
</tr>
<tr>
<td>Resolution</td>
</tr>
<tr>
<td>30 x 43 cm (14 x 17&quot;)</td>
</tr>
<tr>
<td>24 x 30 cm</td>
</tr>
<tr>
<td>30 x 24 cm</td>
</tr>
<tr>
<td>15 x 30 cm</td>
</tr>
<tr>
<td>15 x 20 cm</td>
</tr>
<tr>
<td>15 x 15 cm</td>
</tr>
</tbody>
</table>

| Minimum requirements |
|-----------------|-----------------|-----------------|
| CR MD 4.0T General Cassette |
| CR MD 4.0T FLFS Cassette |
| CR MD 4.0 General Plate |
| NX |

| Minimum resolution |
|-----------------|-----------------|-----------------|
| • CR MD 4.0T General Cassette |
| • CR MD 4.0T FLFS Cassette |
| • CR MD 4.0 General Plate |
| • NX |

<table>
<thead>
<tr>
<th>Accepted Cassette Sizes</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 x 40 cm (14 x 17&quot;)</td>
</tr>
<tr>
<td>24 x 30 cm</td>
</tr>
<tr>
<td>30 x 24 cm</td>
</tr>
<tr>
<td>15 x 30 cm</td>
</tr>
<tr>
<td>15 x 20 cm</td>
</tr>
<tr>
<td>15 x 15 cm</td>
</tr>
</tbody>
</table>

| Pixel Matrix Size |
|-----------------|-----------------|-----------------|
| 10 pixels/mm | 10 pixels/mm | 10 pixels/mm |
| 3480 x 4248 | 3480 x 4940 | 3480 x 4940 |
| 3480 x 3480 | 3480 x 3480 | 3480 x 3480 |
| 2328 x 2928 | 2328 x 2928 | 2328 x 2928 |
| 1728 x 2328 | 1728 x 2328 | 1728 x 2328 |
| 1440 x 2928 | 1440 x 2928 | 1440 x 2928 |
Table-top

With its table-top size, the CR 30-X digitizer can be placed easily at any location. It works with dedicated cassettes and was designed with ease of use in mind, for optimal handling, comfort and maintenance. When combined with the optionally available universal X-ray shielding, the CR 30-X can be used inside the X-ray room.

Low total cost of ownership

Installing the CR 30-X can be done in a single day. With the special LED technology in the erasure unit, no additional electricity is required, so standard electrical outlets are sufficient. No preliminary electrical work means a lower set-up cost and simpler installation. With its modular, component-based design, it offers faster, easier and more cost-effective maintenance.

CR 30-X is available in combination with NX, Agfa’s image identification and quality control tool, for a highly efficient and optimized radiology workflow.

Cassettes with memory

CR 30-X uses dedicated cassettes with an embedded memory that stores the data entered during identification. The built-in antenna card identifies the data by non-contact multiplexing; all data and images are backed from the beginning throughout the entire electronic processing system.

Technical specifications

### GENERAL
- **Digitizer type**
  - Model number: 5175/100, 5175/105
- **Single cassette feed**
- **Throughput**
  - Model number 5175/100: 35 x 43 cm (14 x 17”) = approx. 60 plates/hour
  - Model number 5175/105: 35 x 43 cm (14 x 17”) = approx. 35 plates/hour
- **Display**
  - LED Status Indicator
  - Status and error messages on external PC monitor
- **Greyscale resolution**
  - Data acquisition: 20 bits/pixel
  - Output to processor: 16 bits/pixel
- **Dimensions and weight**
  - (W x D x H): 693 x 701 x 464 mm (27.2 x 27.6 x 18.2”)
  - Depth including input tray: 769 mm (30.3”)
  - Weight: approx. 80 kg (176 lbs)
- **Power**
  - 220 - 240 V/50-60 Hz
  - Standby 120W, max. 320W, 16A fuse
  - 120V/60Hz (USA)
  - Standby 120W, max. 320W, 15A fuse
  - 100V/60Hz (Japan)
  - Standby 120W, max. 320W, 15A fuse

### CASSETTE SIZES: CR MD4.0 GENERAL CASSETTES

<table>
<thead>
<tr>
<th>Acceptable Cassette Sizes</th>
<th>Spatial Resolution</th>
<th>Pixel Matrix Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution</td>
<td>Pixels/mm</td>
<td>Pixels/planar pixels</td>
</tr>
<tr>
<td>35 x 43 cm (14 x 17”)</td>
<td>10</td>
<td>3480 x 4360</td>
</tr>
<tr>
<td>35 x 43 cm (14 x 14”)</td>
<td>10</td>
<td>3480 x 3480</td>
</tr>
<tr>
<td>24 x 30 cm</td>
<td>10</td>
<td>2328 x 3072</td>
</tr>
<tr>
<td>26 x 26 cm</td>
<td>10</td>
<td>2328 x 3072</td>
</tr>
<tr>
<td>15 x 20 cm</td>
<td>10</td>
<td>1440 x 1920</td>
</tr>
</tbody>
</table>

### Minimum requirements
- **CR MD 4.0 General Cassette**
- **CR MD 4.0T FLFS Cassette**
- **CR MD 4.0 General Plate**
- **NX**

### Environmental conditions
- **Temperature**: 15 - 30° C (59 - 86° F)
- **Humidity**: 15 - 80 % RH
- **Magnetic fields**: max. 3.8 µT in conformance with EN 61000-4-8: level 2
- **Rate of change of temperature**: 0.5° C/minute (0.9° F)

### Environmental effects
- **Noise level**: max. 65 dB (A)
- **Heat dissipation**: standby 120 W, max. 320 W

### Safety
- **Approvals**
  - UL, cUL, CE
- **Transport details**
  - ± 0 to +55° C (+4 to 131° F),
  - 20°C max. 72 hours, +5°C for max. 96 hours
  - Humidity: 5 - 95 % RH
Table-top
With its table-top size, the CR 30-X digitizer can be placed easily at any location. It works with dedicated cassettes and was designed with ease of use in mind, for optimal handling, comfort and maintenance. When combined with the optionally available table-top X-ray shielding, the CR 30-X can be used inside the X-ray rooms.

Low total cost of ownership
Installing the CR 30-X can be done in a single day. With the special LED technology in the erasure unit, no additional electricity is required, so standard electrical outlets are sufficient. No preliminary electrical work means a lower set-up cost and simpler installation. With its modular, component-based design, it offers faster, easier and more cost effective maintenance.

NX
CR 30-X is available in combination with NX, Agfa’s image identification and quality control tool, for a highly efficient and optimized radiology workflow.

Cassettes with memory
CR 30-X uses dedicated cassettes with an embedded memory that stores the data entered during identification. The built-in antenna card identifies the data by means of multi-frequency radio-frequency tagging. ID data and images are linked from the beginning throughout the entire electronic processing system.

technical specifications

**SPECIFICATIONS**

**GENERAL**

- **Digitizer type**
  - Model number : 5175/100, 5175/105
  - Single cassette feed
  - Throughput model number 5175/100: 35 x 43 cm (14 x 17”) = approx. 50 plates/hour
  - Throughput model number 5175/105: 35 x 43 cm (14 x 17”) = approx. 35 plates/hour

- **Display**
  - LED Status indicator
  - Status and error messages on external PC monitor

- **Greyscale resolution**
  - Data acquisition: 20 bits/pixel
  - Output to processor: 16 bits/pixel

- **Dimensions and weight**
  - (W x D x H): 693 x 701 x 464 mm (27.2 x 27.6 x 18.2”)
  - Depth including input tray: 769 mm (30.3”)
  - Weight: approx. 80 kg (176 lbs)

- **Power**
  - 220 - 240 V/50-60 Hz, Standby 120W, max. 320W, 16A fuse
  - 120V/60Hz (USA)
  - Standby 120W, max. 320W, 15A fuse
  - 100V/60Hz (Japan)
  - Standby 120W, max. 320W, 15A fuse

- **Minimum requirements**
  - CR MD4.0T General Cassette
  - CR MD4.0T FLFS Cassette
  - CR MD4.0 General Plate
  - NX

- **Environmental conditions**
  - Temperature: 15 - 30° C (59 - 86° F)
  - Humidity: 15 - 80 % RH
  - Magnetic fields: max. 3.8 µT in conformance with EN 61000-4-8: level 2
  - Rate of change of temperature: 0.5° C/minute (0.9° F/minute)

- **Environmental effects**
  - Noise level: max. 65 dB (A)
  - Heat dissipation: standby 120 W, max. 320 W

**SAFETY**

- **Approvals**
  - UL, cUL, CE

- **Transport details**
  - Temperature: -25 to +55° C (-4 to 131° F), -25° C for max. 72 hours, +55 °C for max. 96 hours
  - Humidity: 5 - 95 % RH

**Acceptable Cassette Sizes**

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<tr>
<th>Cassette Size</th>
<th>Resolution</th>
<th>Pixel Matrix Size</th>
</tr>
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<tbody>
<tr>
<td>35 x 43 cm (14 x 17”)</td>
<td>10 pixels/mm</td>
<td>3480 x 4940</td>
</tr>
<tr>
<td>35 x 35 cm (14 x 14”)</td>
<td>10 pixels/mm</td>
<td>3480 x 3480</td>
</tr>
<tr>
<td>24 x 30 cm</td>
<td>10 pixels/mm</td>
<td>2528 x 3928</td>
</tr>
<tr>
<td>16 x 24 cm</td>
<td>10 pixels/mm</td>
<td>1734 x 2328</td>
</tr>
<tr>
<td>15 x 30 cm</td>
<td>10 pixels/mm</td>
<td>1441 x 2144</td>
</tr>
</tbody>
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**CASSETTE SIZES: CR MD4.0T GENERAL CASSETTES**
CR 30-X Digitizer

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<th>X-ray</th>
<th>Laser</th>
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<tbody>
<tr>
<td>Europe</td>
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<td>CHS part 1001</td>
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<td></td>
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<tr>
<td></td>
<td>and 1006, 11</td>
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<td>Canada</td>
<td>CAN/CSA-22.2 No.601.1 No.601.1.2</td>
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CR 30-X

Broad range of applications
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Full data
The CR 30-X makes no compromises in image quality. It reads imaging plates at the high resolution of 10 pixels/mm for all image plate sizes.

NO QUALITY COMPROMISES

- Table-top digitizer
- Broad range of applications
- Low cost of ownership
- Horizontal cassette insertion
- Mobile
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