High image quality and throughput without compromise

The CR 30-X uses Agfa HealthCare’s long-term experience in CR and intelligent image processing to provide excellent image quality without compromising throughput.

It scans at a spatial resolution of 10 pixels/mm before processing the image using MUSICA++. Agfa HealthCare’s patented, market-leading intelligent image processing software. By scanning the phosphor plate at the full width of 43 cm, the CR 30-X combines high quality with high throughput.

Add to this the CR 30-X’s support for all popular cassette formats, including panoramic, and you have image capture that is reliable and of excellent quality.

Compact and versatile

The CR 30-X’s imaging plates are boxed in a cassette that is inserted horizontally. This makes it a compact table-top single slot digitizer requiring minimal space while offering easy integration in vans, trucks, and other mobile use facilities. The result is a system capable of performing in a wide variety of environments, particularly those where space is an issue.

The CR 30-X also comes with a range of optional accessories for mobile usage. The accessories include an all-in-one cart to keep the CR 30-X within easy reach and maximize available space while facilitating transportation. A mobile kit designed to secure the digitizer in a truck or van is also available.

Specifications

General
- Model number: CR 30-X
- Single cassette feed
- Through plates:
  - 35 x 43 cm (14 x 17 in) = approx. 40 plates per hour
  - 30 x 39 cm (12 x 15 in) = approx. 60 plates per hour
  - 24 x 30 cm (9.5 x 12 in) = approx. 70 plates per hour
  - 18 x 24 cm (7 x 9.5 in) = approx. 70 plates per hour
  - 15 x 30 cm (6 x 12 in) = approx. 80 plates per hour

Display
- LCD matrix backlit
- Status and error messages on external PC monitor

Granularity
- Data acquisition: 20 bits/pixel
- Output to processor: 16 bits/pixel

Dimensions and weight
- (W x D x H): 693 x 701 x 546 mm (27.2 x 27.6 x 21.5 in)
- Depth including input tray: 786 mm (30.94 in)
- Weight: Approx. 72 kg (158 lbs)

Accepted Spatial Resolution Pixel Matrix Size

<table>
<thead>
<tr>
<th>Cassette Sizes</th>
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<td>2328 x 2928</td>
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<tr>
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<td>10 pixels/mm</td>
<td>1728 x 2328</td>
</tr>
<tr>
<td>15 x 30 cm (6 x 12 in)</td>
<td>10 pixels/mm</td>
<td>1440 x 2928</td>
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Installation
- Control panel by an Agfa HealthCare qualified application engineer
- To ensure an optimal performance of the software, it will only be installed on PCs delivered by Agfa HealthCare Consultancy

Security
- Secure profiles for user access

Compliance
- 100% support for embedded features such as RIS Protocol Codes, RIS Mapping, Mandatory Procedure Protocol (MPPS), Storage Commitment/Source Image Presentation State (SIPPS), Original Standard Display Function (OSDF), CR or DR SOP Class for image presentation or processing.

For a complete list of the DICOM conformance statements, please visit www.agfa.com/healthcare/dicom

For a complete list of the IHE integration statements, please visit www.agfa.com/healthcare/ihe

www.agfahealthcare.com

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Looking for an affordable way to go from analog to digital? Look no further than the CR 30-X, Agfa HealthCare’s compact, table-top Computed Radiography (CR) system. This single slot digitizer combines high image quality with high throughput.

A compact and convenient CR solution, the CR 30-X is easy to install, use and maintain. It provides seamless integration, from X-ray exposure to print or softcopy. Flexible and robust, the CR 30-X uses proven technologies to provide uncompromising and consistent image quality.

For decentralized General Radiography (ICU, Emergency), military field hospitals, orthopaedic, chiropractic and veterinary use, the CR 30-X is the ideal solution.

Easy to use
The CR 30-X works in conjunction with the NX image acquisition station, Agfa HealthCare’s powerful image identification and quality control tool. Intuitively designed, the NX touch screen enables the radiographer to complete a digital X-ray exposure effortlessly and with minimal training.

In addition, the CR 30-X uses Agfa HealthCare’s MUSICA2 intelligent image processing software to automatically optimize the final image quality without the need for human intervention. These capabilities, combined with in-room integration and high throughput, enable radiographers to enjoy a more convenient and faster workflow throughout the imaging process.

From acquisition to processing to display and archiving, Agfa HealthCare provides a complete integrated solution.

Seamlessly integrated, complete systems
The CR 30-X and NX workstations are just two of Agfa HealthCare’s broad portfolio of solution components. Produced to enable you to achieve a seamlessly integrated digital workflow – from patient registration on the RIS to final display of orthopaedic or hardcopy images – the CR 30-X uses well-defined DICOM protocols throughout the process.

The intelligent choice
Uncompromising high quality images. Fast preview and high throughput. Low cost of ownership. Ease of use. And the capability to integrate seamlessly with other systems into a convenient workflow… These are the elements that make the CR 30-X system the intelligent choice for professionals.

Decentralized hospital departments
Whether in Emergency or Intensive Care, speedy access to information is important. The CR 30-X provides high-quality, fast and affordable image capture in a compact solution that is ideal for in-room integration, thereby improving patient comfort.

Orthopaedics and Chiropractics
The drive is on for an affordable way to go digital. With the CR 30-X there are no chemicals and no need for film storage. Its table-top size makes it ideal for smaller enterprises, while its DICOM compatibility allows the transmission of images to local networks – or even over the internet – to a colleague or to a physician working from home. The result is a fast and convenient workflow.

Military
Achieving high quality X-ray images while in inaccessible locations is a challenge regularly faced by the military. With the CR 30-X compact system, you will enjoy all the benefits of a small and mobile CR system that requires no chemicals or data storage – all without image quality compromise, even when transmitting images to remote radiologists outside the zone of operations.

Veterinary
Producing high quality images while working in environments where maintaining clinical cleanliness is difficult can be problematic. The CR 30-X compact construction and horizontal plate handling make it ideal for use in mobile facilities such as vans and trucks. An affordable way to go digital and easy to learn to use, the CR 30-X facilitates more efficient workflow.
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Easily integrated, complete systems
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Uncompromising high quality images. Fast preview and high throughput. Low cost of ownership. Ease of use. And the capability to integrate seamlessly with other systems into a convenient workflow... These are the elements that make the CR 30-X systems the intelligent choice for professionals.

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Whether in Emergency or Intensive Care, speedy access to information is important. The CR 30-X provides high quality, fast and affordable image capture in a compact solution that is ideal for in-room integration, thereby increasing patient comfort.

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**Uncompromising image quality**

The CR 30-X uses Agfa HealthCare's long-term experience in CR and intelligent image processing to provide excellent image quality.

It scans at a spatial resolution of 10 pixels/mm before processing the image using MUSICA2, Agfa HealthCare's patented, market-leading intelligent image processing software. By scanning the phosphor plate at the full width of 43 cm, the CR 30-X combines high quality with high throughput.

Add to this the CR 30-X's support for all popular cassette formats, including panoramic, and you have image capture that is reliable and of excellent quality.

**Compact and versatile**

The CR 30-X imaging plates are housed in a cassette that is inserted horizontally. This makes it a compact tabletop single slot digitizer requiring minimal space while offering easy integration in vans, trucks, and other mobile use facilities. The result is a system capable of performing in a wide variety of environments, particularly those where space is an issue.

The CR 30-X also comes with a range of optional accessories for mobile usage. The accessories include an all-in-one cart to keep the CR 30-X within easy reach and maximize available space while facilitating transportation. A kit designed to secure the digitizer in a truck or van is also available.

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**Specifications CR 30-X NX**

<table>
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</tr>
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<tbody>
<tr>
<td>Model number: 5175/200</td>
<td></td>
</tr>
<tr>
<td>Single cassette feed</td>
<td></td>
</tr>
<tr>
<td>Throughglass: 20 x 24 cm (8 x 9.5 in) = approx. 40 plates/linear ft 20 x 30 cm (8 x 12 in) = approx. 30 plates/linear ft</td>
<td></td>
</tr>
<tr>
<td>20 x 30 cm (8 x 12 in) = approx. 70 plates/linear ft</td>
<td></td>
</tr>
<tr>
<td>20 x 30 cm (8 x 12 in) = approx. 20 plates/linear ft</td>
<td></td>
</tr>
<tr>
<td>(depending on size and application)</td>
<td></td>
</tr>
</tbody>
</table>

| Display |  |
| 120-screen feedback |  |
| Status and error messages on external PC monitor |  |

| Granule installation |  |
| Data extraction: 20 bits/pixel |  |
| Image enhancement: 8 bits/pixel |  |

| Dimensions and weight |  |
| (W x D x H): 693 x 701 x 546 mm (27.2 x 27.6 x 21.5 in) |  |
| Depth including input tray: 786 mm (30.94 in) |  |
| Weight: Approx. 72 kg (158 lbs) |  |

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**Installation**

- Control is by an Agfa HealthCare qualified application engineer
- To ensure an optimal performance of the software, it will be fully installed on PCs delivered by Agfa HealthCare Compliance

**Security**

- Secure profiles for lay users

**Compliance**

- 500 supports embedded features such as EID Protocol Codes, RIS Mapping, Worklist Procedure View (WPV), Storage Current, Operative Softcopy Presentation State (SCPS), Image Name Standard (SIN), CR or DR SOP Class for image, presentation or processing.

- For a complete list of all the IHE conformance statements, please visit www.agfa.com/IHE

- For a complete list of the DICOM conformance statements, please visit www.agfa.com/DICOM

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/highimagequality.png

Uncompromising image quality

your high-volume table-top CR system

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Specifications CR 30-X

CR 30-X

your high-volume table-top CR system

General
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- Single cassette feed
- Throughglass:
  - 35 x 43 cm (14 x 17 in) = approx. 46 plates/floor
  - 30 x 35 cm (12 x 14 in) = approx. 64 plates/floor
  - 30 x 30 cm (12 x 12 in) = approx. 76 plates/floor
  - 24 x 30 cm (9.5 x 12 in) = approx. 80 plates/floor
  - 18 x 24 cm (7 x 9.5 in) = approx. 86 plates/floor
- Uploading on-site and application

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

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

Dimensions and weight
- (W x D x H): 693 x 701 x 546 mm (27.2 x 27.6 x 21.5 in)
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CR MD4.0T FLFS Cassette
- 35 x 43 cm (14 x 17 in) 10 pixels/mm 3480 x 4248

Installation
- Control is by an Agfa HealthCare qualified application engineer
- To ensure an optimal performance of the software, it will only be installed on PCs delivered by Agfa HealthCare Compliance

Security
- Security profiles for key users

Compliance
- NX supports enhanced features such as RIS Protocol Codes, RIS Mapping, Medical Provider Information (MPI), Storage Commit, Grayscale Softcopy Presentation State (GSPS), Grayscale Standard Display Function (GSDF), CR or DR SOP Class for image, presentation or processing.

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Uncompromising image quality

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