

Uncompromising image quality

# CR 30-X

your compact table top CR system





# uncompromising

image quality



## High image quality and throughput without compromise

The CR 30-X uses Agfa's long-term experience in CR and intelligent image processing to provide image quality without compromise.

It scans at a spatial resolution of 10 pixel/mm before processing the image using MUSICA, Agfa's patented, market-leading intelligent image processing software. By scanning the phosphor plate at the full width of 43 cm, the CR30-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 guaranteed image capture that is reliable and of the highest quality.

## Compact and versatile

The CR 30-X's imaging plates are housed in a cassette that is inserted horizontally. This makes it a compact table top single slot digitizer that requires minimal space and offers easy integration in vans, trucks and other mobile facilities. The result is a system that can be used 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 including a cart to facilitate transportation and a mobile kit to fix securely the digitizer in a truck or van.

# compact

Looking for an affordable way to go from analog to digital? Look no further than the CR 30-X, Agfa'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 and provides seamless integration, from X-ray exposure to print or softcopy. Flexible and robust, it uses proven technologies to ensure uncompromising and consistent image quality.

For decentralized General Radiography (ICU, Emergency), military field hospitals, orthopaedic, dental, 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's powerful image identification and quality control tool. Designed to be intuitive to use, NX's touch screen enables the radiographer to complete effortlessly, and with minimal training, a complete digital X-ray exposure.

In addition, the CR 30-X uses MUSICA intelligent image processing 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 more convenient and faster workflow throughout the imaging process.

Minimal maintenance, low total cost of ownership and low power consumption are achieved through the CR30-X's auto-calibrations and the latest LED technologies.

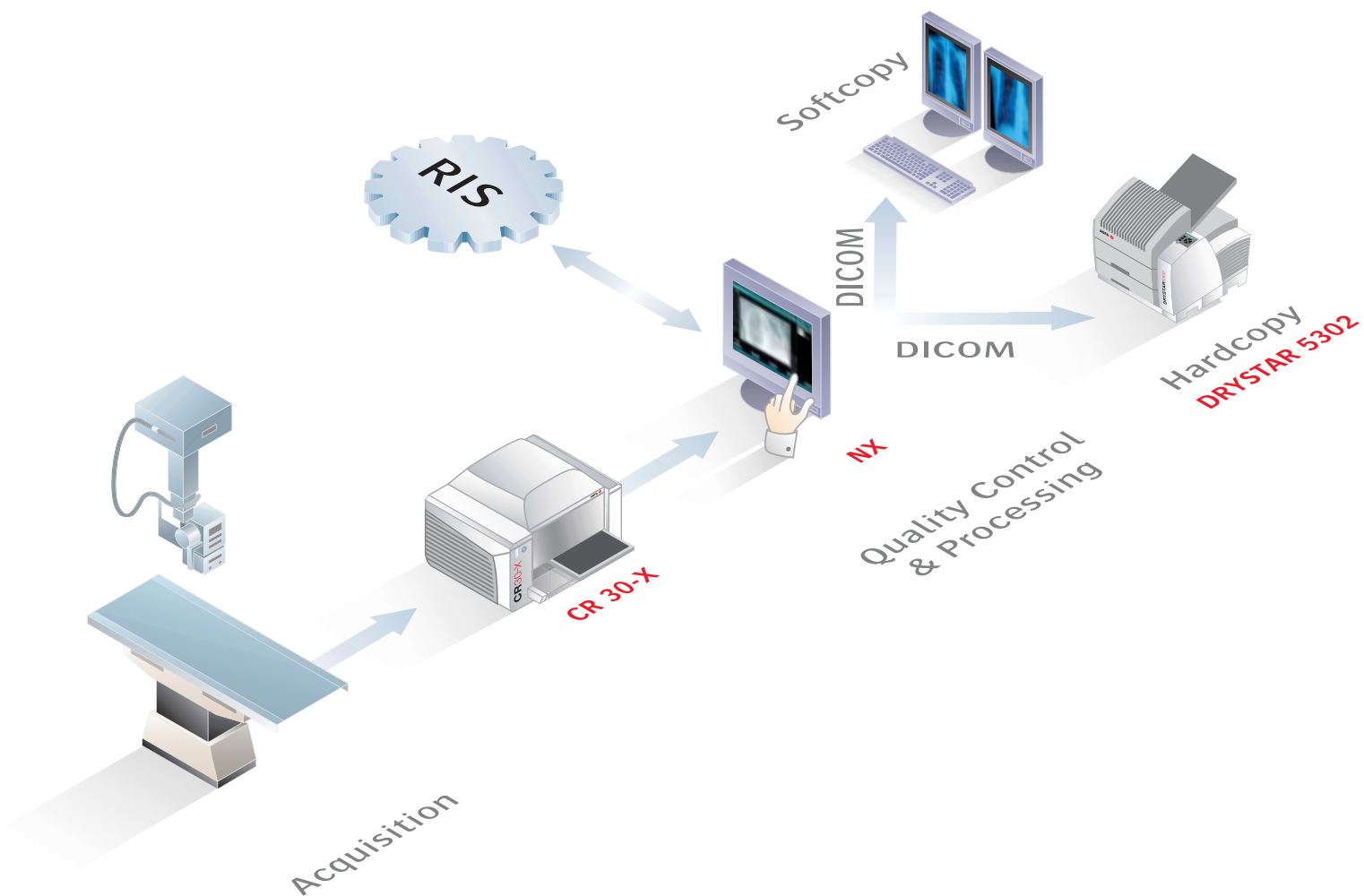
### Seamlessly integrated complete systems

The CR 30-X and NX workstations are just two of Agfa's broad portfolio of solution components. Designed to enable you to achieve a seamlessly integrated digital workflow – from patient registration on the RIS to final display of softcopy or hardcopy images – the CR30-X uses well defined DICOM protocols for all steps in the digital workflow.

### 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.

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



# suited

to your needs

## Decentralized hospital departments

Whether in Emergency or Intensive Care, speedy access to information is absolutely vital. 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.

## Orthopaedics and Chiropractic

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 for transmitting of images to local networks or even over the internet to a colleague or to a physician working from home. The result is fast and convenient workflow.

## Dental

Capable of supporting panoramic plates and cassettes, the CR 30-X's small footprint makes it ideal for practices with limited space; requires no chemicals for image processing yet still achieves a high throughput that decreases patient waiting times.

## Military

Achieving high quality X-ray images while in inaccessible places is a challenge regularly faced by the military. With the CR 30-X's robust 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's robust 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.



# Specifications

## CR 30-X

## NX

### General

- Single cassette feed
- Throughput:  
35 x 43 cm (14 x 17") = 60 plates/hour  
24 x 30 cm (9.5 x 12") = 71 plates/hour  
18 x 24 cm (7 x 9.5") = 76 plates/hour  
15 x 30 cm (6 x 12") = 82 plates/hour  
(depending on size and application)

### LCD display

- Machine status and error conditions

### Greyscale resolution

- Data acquisition: 16 bits/pixel
- Output to processor: 12 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.: 98 kg (216.05 lbs)

### CR MD4.0T general CASSETTES

Accepted Cassette Sizes	Spatial Resolution	Pixel Matrix Size
35 x 43 cm (14 x 17")	10 pixels / mm	3480 x 4248
24 x 30 cm (9.5 x 12")	10 pixels / mm	2328 x 2928
18 x 24 cm (7 x 9.5")	10 pixels / mm	1728 x 2328
15 x 30 cm (6 x 12")	10 pixels / mm	1440 x 2928

### Installation

- Carried out by a qualified Agfa application engineer
- To ensure an optimal performance of this software, it will only be installed on PCs delivered by Agfa

### Security

- HIPAA compliant (Health Insurance Portability and Accountability Act)
- Secure profiles for key users

### Compliance

- NX 1.0 supports enhanced features such as RIS Protocol Codes, RIS Mapping, Modality Performed Procedure Step (MPPS), Storage Commit, Grayscale Softcopy Presentation State (GSPS), Grayscale Standard Display Function (GSDF), CR or DX SOP Class for storage, presentation or processing.
- For a complete list of the DICOM conformance statements, please visit [www.agfa.com/healthcare/dicom](http://www.agfa.com/healthcare/dicom)
- For a complete list of the IHE integration statements, please visit [www.agfa.com/healthcare/ihe](http://www.agfa.com/healthcare/ihe)



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