

# CR 30-X

High-volume table-top CR solution.

- High throughput
- Table-top digitizer
- Broad range of applications
- Low cost of ownership
- Horizontal cassette insertion
- Mobile
- DICOM Ethernet

## Versatile high-volume digitizer

CR 30-X is a highly versatile high-throughput digitizer. It offers an ideal solution for any private and decentralized CR environment, especially with a high volume of imaging. CR 30-X can handle all general radiology, orthopædics, chiropractic, Full Leg/Full Spine 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 a universal X-ray shield, 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 and MUSICA

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. CR 30-X is compatible with our 'gold standard' MUSICA image processing, which has been specially adapted and tuned to further enhance the image quality.

## 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 no-touch radiofrequency tagging. ID data and images are linked from the beginning throughout the entire electronic processing system.



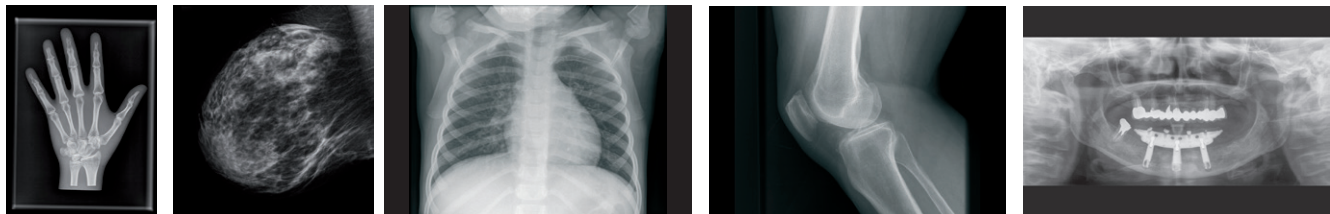
CR 30-X DIGITIZER



General radiography, Extremities, FLFS: imaging plates and cassettes



Mammography: imaging plates and cassettes



CASSETTE SIZES	Cassette Sizes	Spatial Resolution	Pixel Matrix
■ CR MD4.0T General	35 x 43 cm (14 x 17")	100 µm (10 pixels/mm)	3480 x 4248
	35 x 35 cm (14 x 14")	100 µm (10 pixels/mm)	3480 x 3480
	24 x 30 cm	100 µm (10 pixels/mm)	2328 x 2928
	18 x 24 cm	100 µm (10 pixels/mm)	1728 x 2328
	15 x 30 cm	100 µm (10 pixels/mm)	1440 x 2928
■ CR MD4.0T FLFS	35 x 43 cm (14 x 17")	100 µm (10 pixels/mm)	3480 x 4406

SAFETY			
Region	Regulation	X-ray	Laser
■ Europe	EN 60601-1: 1990 + A1: 1993 + A2: 1995 EN 60601-1-2: 2007	Regulation: 1987	EN 60825 - 1:2001
■ USA	UL 60601-1 21CFR part 820: good manufacturing practice for medical devices	DHHS/FDA 21 CFR part 1002, subchapter B	DHHS/FDA 21 CFR parts 1040, 10 and 1040, 11
■ Canada	CSA22.2 No.601.1 No.601.1.2		

## Technical specifications

### GENERAL

#### Digitizer type

- **Model number:** 5179/100
- **Single cassette feed**
- **Throughput:**
  - 35 x 43 cm (14 x 17") = approx. 60 plates/hour
  - 35 x 35 cm (14 x 14") = approx. 60 plates/hour
  - 24 x 30 cm (9.5 x 12") = approx. 71 plates/hour
  - 18 x 24 cm (7 x 9.5") = approx. 76 plates/hour
  - 15 x 30 cm (6 x 12") = approx. 82 plates/hour
  - 24 x 30 cm extremities = approx. 32 plates/hour
  - 18 x 24 cm extremities = approx. 38 plates/hour
  - 24 x 30 cm mammo = approx. 32 plates/hour
  - 18 x 24 cm mammo = approx. 38 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 square root compressed

#### Dimensions and weight

- **W x D x H:** 693 x 701 x 546 mm (27.2 x 27.6 x 21.5") Depth including input tray: 769 mm (30.3")
- **Weight:** approx. 72 kg (158 lbs)

#### Power

- **220 - 240 V, 1.0 A/50-60 Hz**
- **100 - 120 V, 2.0 A/50-60 Hz**

#### Minimum requirements

- **CR MD4.0T General Cassette**
- **CR MD4.0T Full Leg/Full Spine Cassette**
- **CR MD4.0 General Plate**
- **CR MM3.0T Extremities Cassette & Plate**
- **CR MM3.0T Mammo Cassette and 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 80 W, max. 200 W

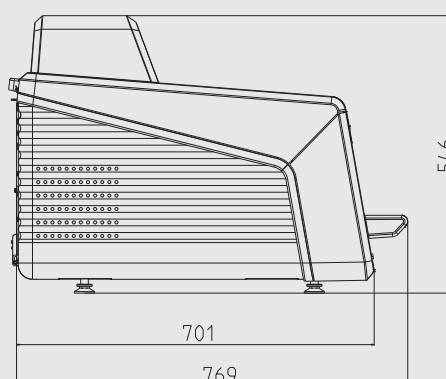
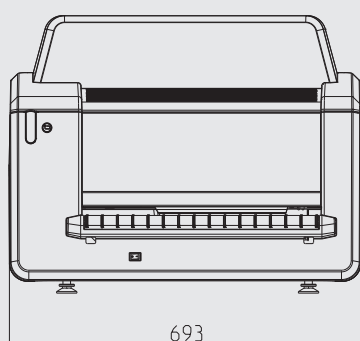
### SAFETY

#### Approvals

- **CE, UL**

#### 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



## CR 30-X DIGITIZER

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