



**AGFA**  
**RADIOLOGY**  
SOLUTIONS

# CR 10-X

DIGITIZER

The affordable, compact CR 10-X digitizer is designed as an ideal solution for small practices, offering a cost-effective entry into digital Radiography without compromising on image quality.

- > Affordable computed radiography solution that makes no compromises on image quality
- > Convenient and fast workflow
- > Robust yet easy to install and maintain
- > Fits in small spaces and is suited for mobile applications
- > Networking capabilities deliver seamless integration



## **Affordable computed radiography solution that makes no compromises on image quality**

The tabletop CR 10-X digitizer is based on proven Agfa technology, with a modular yet robust design offering affordability without compromising on image quality.

Versatile, this computed radiography (CR) digitizer can handle a broad range of digital radiography applications.

The total cost of ownership remains low, thanks to its ease of installation, maintenance and use, making it an affordable way to move from analog to digital. With the CR 10-X, small hospitals and private practices can take advantage of the convenient and fast workflow offered by digital radiography.

## **Convenient and fast workflow**

The CR 10-X works in conjunction with NX, Agfa's image identification and quality control tool, for a highly efficient and optimized radiology workflow. It comes with Agfa's gold-standard MUSICA® 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.

The CR 10-X reads imaging plates at the high resolution of 10 pixels/mm (100 µm pixel pitch). The dedicated cassettes are inserted horizontally, which prevents dust and dirt from being introduced during normal operation.

## **High image quality**

The CR 10-X makes no compromises in image quality: it reads imaging plates at the high resolution of 10 pixels/mm. Agfa's intelligent MUSICA® image processing automatically optimizes image quality.

### **Robust yet easy to install and maintain**

Installing the CR 10-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. Horizontal cassette insertion prevents dust and dirt from being introduced during normal operation.

### **Fits in small spaces and is suited for mobile applications**

With its table-top size, the CR 10-X digitizer can be placed easily at any location, no matter how small, and was designed with ease of use in mind. The CR 10-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.

### **Networking capabilities deliver seamless integration**

The CR 10-X is fully DICOM-compliant, to easily integrate with other solution elements; we recommend combining it with Agfa's SE software suite for a complete softcopy solution, or with the DRYSTAR 5302 imager for a hardcopy solution.



# Technical Specifications

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## GENERAL

### Digitizer type

#### Single cassette feed

**Throughput:** Up to 44 plates/hour (depending on size)

### 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:** 580 x 700 x 471 mm (22.83 x 27.55 x 18.54")

**Depth without cassette unit and extension:** 380 mm (14.96")

**Weight:** 31 kg

### Power

**Autoranging external power supply** (24 V output)

#### Input:

- 100 V – 240 V
- < 2 A
- 50/60 Hz
- Fuse: Europe max 16 A; USA max 15 A

### Minimum requirements

CR MD1.0 GENERAL SET

CR MD1.0 CASSETTE ADAPTER 24 X 30

NX – MUSICA® WORKSTATION

## Environmental conditions

### During operation:

- Temperature: 15° C – 35° C
- Humidity: 10 – 75% RH
- No exposure to direct sunlight
- Related altitude on site: 3000m – 0m (atmospheric pressure 70 kPa – 106 kPa)

## Mobile use

### Operation:

- Temperature: 15° C – 35° C
- Humidity: 15 – 75 % RH (non-condensing)
- No exposure to direct sunlight
- Related altitude on site: 3000m – 0m (atmospheric pressure 70 kPa – 106 kPa)

### Transport:

- Temperature: 5° C – 40° C
- Humidity: 30 – 75 % RH
- No exposure to direct sunlight
- Related altitude on site: 3000m – 0m (atmospheric pressure 70 kPa – 106 kPa)

## Environmental effects

**Noise level:** max. 65 dB (A)

**Heat dissipation:** standby 30 W, max. 108 W

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## SAFETY

### Approvals

CE, cNRTLus

## COMPLIANCE

### General

ISO 13485  
IEC 62366  
IEC 62304  
ISO 14971

### Safety

IEC 60601-1  
CAN/CSA C22.2 NO 60601-1  
ANSI/AAMI ES 60601-1

### Electromagnetic Compatibility

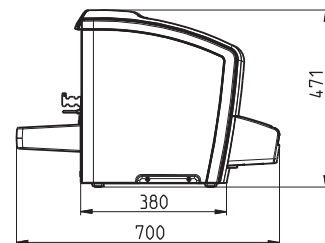
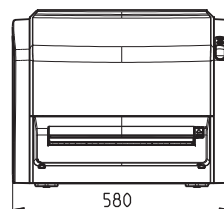
IEC 60601-1-2  
FCC Rules 47 CFR part 15 subpart B  
CAN/CSA 22.2 NO 60601-1-2

### Laser Safety

IEC 60825-1

### Environmental Compliance

WEEE 2012/19/EU  
RoHS 2 Directive 2011/65/EU



	Cassette Sizes	Plate Sizes	Spatial Resolution
CR MD1.0 GENERAL	35 x 43 cm (14 x 17")	35 x 43 cm (14 x 17")	10 pixels/mm (including for Full Leg / Full Spine)
	24 x 30 cm (9.44 x 11.81") with cassette adapter	24 x 30 cm (9.44 x 11.81")	10 pixels/mm

**Bar code:** In order to assure higher image quality, each image plate contains a bar code which contains all plate specific data.

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