AGFA
RADIOLOGY
SOLUTIONS

CR 12-X

DIGITIZER

With its simple yet smart design, the affordable, compact and fast CR 12-X digitizer offers an ideal solution for clinics and private practices. This cost-effective entry into digital radiography combines high image quality with a workflow that addresses your priorities.

>> **Datasheet**

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> Affordable and efficient computed radiography solution offering high image quality and high throughput.

> Convenient and fast workflow, with user-controllable speed and resolution

> Robust yet easy to install and maintain

> Fits in small spaces and is suited for mobile applications

> Networking capabilities deliver seamless integration

Affordable and efficient computed radiography solution offering high image quality and high speed

The tabletop CR 12-X digitizer is based on proven Agfa technology, with a modular yet robust design combining affordability with high image quality, adjustable speed and a user-tuned workflow.

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 12-X, clinics and private practices can take advantage of the convenient and fast workflow offered by digital radiography.

Balancing speed and resolution

With the CR 12-X, the user can choose to adjust speed and resolution depending on the needs of the exam. The user can easily overwrite the default settings for each exam, depending on the specific speed/quality priorities, study by study. Agfa's intelligent MUSICA® image processing automatically optimizes image quality.

Convenient and fast workflow

The CR 12-X works in conjunction with NX, Agfa's image identification and quality control tool, for a highly efficient and optimized, yet customizable, 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.

Robust yet easy to install and maintain

Installing the CR 12-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 12-X digitizer can be placed easily at any location, no matter how small, and was designed with ease of use in mind. The CR 12-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 12-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

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
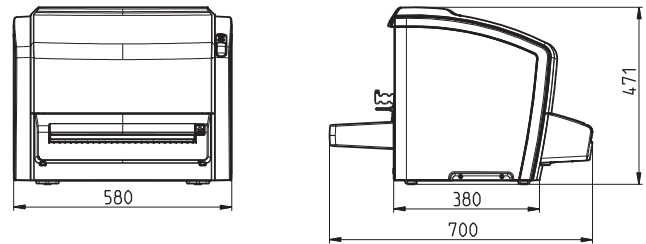
Noise level: max. 65 dB (A)
Heat dissipation: standby 30 W, max. 108 W

SAFETY

Approvals

CE, cNRTLus

471

580

380

700

	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, 6.6 pixels/mm, 5 pixels/mm (for General Radiography)
	24 x 30 cm (9.44 x 11.81") with cassette adapter	24 x 30 cm (9.44 x 11.81")	10 pixels/mm, 6.6 pixels/mm, 5 pixels/mm (for FLFS)

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