



AGFA
RADIOLOGY
SOLUTIONS

CR 15-X

DIGITIZER

Highly versatile and compact computed radiography solution offering high speed and high image quality on a tabletop CR.

- > Affordable for a broad range of applications
- > Convenient and fast workflow, with usercontrollable 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
- > Highly versatile, compact CR 15-X offers an ideal solution for decentralised hospital environments, clinics and private practices

The tabletop CR 15-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 15-X, decentralised hospital environments, clinics and private practices can take advantage of the convenient and fast workflow offered by digital radiography.

Balancing speed and resolution

With the CR 15-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.



Robust yet easy to install and maintain

Installing the CR 15-X is fast and easy. 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 15-X digitizer can be placed easily at any location, no matter how small, and was designed with ease of use in mind. The CR 15-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 15-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 102 plates/hour* (depending on size and resolution)

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

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. 140 W

SAFETY

Approvals

CE, cNRTLus

* This comprises cassette exchange time of 2s

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

Laser Safety

IEC 60825-1

Environmental Compliance

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

Electromagnetic Compatibility

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

	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) 6.6 pixels/mm 5 pixels/mm (including for Full Leg / Full Spine)
	35 x 35 cm (14 x 14")	35 x 35 cm (14 x 14")	10 pixels/mm, 6.6 pixels/mm, 5 pixels/mm
	24 x 30 cm (9.44 x 11.81")	24 x 30 cm (9.44 x 11.81")	10 pixels/mm, 6.6 pixels/mm, 5 pixels/mm
	18 x 24 cm (7.08 x 9.44")	18 x 24 cm (7.08 x 9.44")	10 pixels/mm, 6.6 pixels/mm, 5 pixels/mm
	15 x 30 cm (5.90 x 11.81")	15 x 30 cm (5.90 x 11.81")	10 pixels/mm, 6.6 pixels/mm, 5 pixels/mm

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