DIGITIZER

CR 10-X

Affordable computed radiography solution that makes no compromises on image quality

The table-top CR 10-X digitizer is based on proven Agfa HealthCare technology, with a modular yet robust design offering affordability without compromising on image quality. Versatile, this Computer Radiography (CR) digitizer can handle general radiography, orthopaedic, chiropractic and Full Leg/Full Spine applications. The total cost of ownership remains low thanks to its ease of installation, maintenance and use, making it a cost-effective 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.
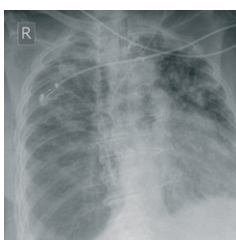
THE ECONOMICAL, COMPACT CR 10-X DIGITIZER IS DESIGNED AS AN IDEAL SOLUTION FOR SMALL PRACTICES, OFFERING A COST-EFFECTIVE ENTRY INTO DIGITAL RADIOGRAPHY WITHOUT COMPROMISING ON IMAGE QUALITY.

- Low cost CR solution with excellent 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

AGFA
HealthCare

Convenient and fast workflow

The CR 10-X works in conjunction with NX, Agfa HealthCare's image identification and quality control tool, for a highly efficient and optimized radiology workflow. It comes with Agfa HealthCare's gold-standard MUSICA[2] 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.

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. Consequently, set up costs are lower and installation simpler.

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, even small areas, and was designed with ease of use in mind. The CR 10-X can also fit into cars, vans, trucks and other mobile facilities, for mobile applications.

Networking capabilities deliver seamless integration

The CR 10-X is fully DICOM-compliant, to easily integrate with other solution elements, and can be combined with Agfa HealthCare's SE software suite for a complete softcopy solution or with the DRYSTAR 5302 imager for a hardcopy solution.

Bar code

In order to guarantee highest image quality, each image plate contains a bar code which contains all plate specific data.

General radiography & Full Leg/Full Spine: imaging plate and cassette

CASSETTE SIZES

	Cassette Sizes	Spatial Resolution
CR MD1.0 General	35 x 43 cm (14 x 17 in)	10 pixels/mm

technical
SPECIFICATIONS

GENERAL

Digitizer type
- Single cassette feed
- Throughput: 35 x 43 cm (14 x 17in) = approx. 34 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
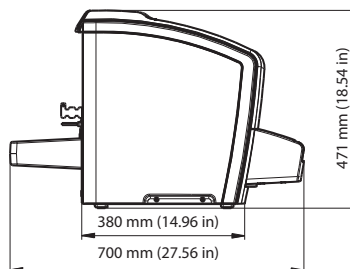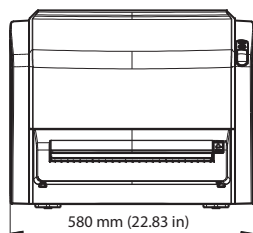
Dimensions and weight
- W x D x H: 580 x 700 x 471 mm (22.83 x 27.56 x 18.54 in)
- Depth without cassette unit and extension: 380 mm (14.96 in)
- Weight: 29 kg

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 Cassette
- CR MD1.0 General Plate
- NX Workstation

Environmental conditions
- In line with: IEC 721-3-3 (1997): class 3K2, with the following extension:
  - Temperature: +15 to +35° C (59° to 95° F)

Environmental effects
- Noise level: max. 65 dB (A)
- Heat dissipation: standby 30 W, max. 85 W

Mobile use
- In line with IEC721-3-3 (1997): with following restrictions:
  - Temperature: +15° C to +35° C (59° to 95° F)
  - Humidity: 15 - 75 % RH (non-condensing)
  - During transport: in line with IEC721-3-5: 5K1 and 5M3

Transport
- In line with: IEC 721-3-2 (1997): class 2K2, with the following restrictions:
  - -25 to +55° C (-4 to 131° F)

Storage
- Packed device shall withstand the following mechanical conditions: IEC 721-3-1: class 1M2 and IEC 721-3-2(1993): class 2M3; including sea transport.
- In line with IEC721-3-1: class 1K4

SAFETY
Approvals
- CE, cNRTLus

580 mm (22.83 in)

471 mm (18.54 in)
380 mm (14.96 in)
700 mm (27.56 in)

SAFETY

Region	Regulation	X-ray	Laser
Europe	EN/IEC 60601-1 edition 2 EN/IEC 60601-1 edition 3 EN/IEC 60601-1-2	Regulation: 1987	EN 60825 - 1:2001 EN 60825 - 1:2007
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		CSA E60825-1 (R2007)

Why Agfa HealthCare?

Agfa HealthCare is a global leader in the fast growing market of integrated IT and imaging systems, offering healthcare facilities a seamless flow of information and a 360˚ view of patient care. The company has a unique, holistic approach, enabling it to provide in-depth clinical know-how and fully integrated hospital-wide solutions. These specialized solutions integrate IT and imaging systems for Radiology, Cardiology, Mammography and Orthopaedics. Agfa HealthCare's enterprise-wide IT platform integrates all administrative and clinical data within a healthcare facility and is designed to match the unique needs of specific healthcare professionals.

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