



CR 35-X

Digitizer

SMALL FOOTPRINT DIGITIZER FOR THE COMPLETE RANGE OF CLINICAL APPLICATIONS

- MULTI-APPLICATION DIGITIZER
- THREE DIFFERENT IMAGE RESOLUTION MODES (PIXEL PITCH [μm] : 50 - 100 - 150)

Broad range of applications

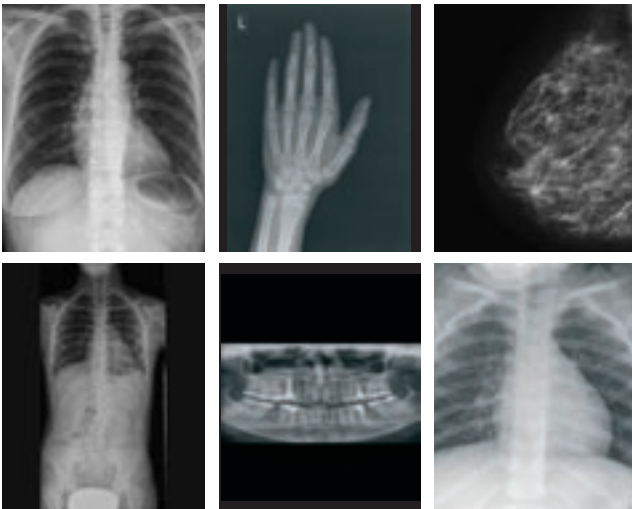
CR 35-X is a highly versatile digitizer. It offers an ideal solution for any decentralized CR environment. In combination with the application-specific plates and cassettes, CR 35-X supports a broad range of applications:

- General radiography
- Orthopaedics - Extremities
- Dental
- Paediatrics

CR 35-X is also a perfect complement to existing centralized CR systems.

Full data

CR 35-X reads imaging plates at a standard resolution of 6 pixels/mm. The high resolution mode of 10 pixels/mm is available for all image plate sizes. The maximum resolution mode of 20 pixels/mm is available for dedicated 18 x 24 cm and 24 x 30 cm extremities cassettes and plates.



Small footprint

The small CR 35-X footprint allows it to be placed easily at any location. Designed with ease of use in mind, it requires only a standard wall outlet. Together with a universal X-ray shielding, optionally available, the CR 35-X can be used inside the X-ray room. In combination with a mobile kit, it is also fit for mobile use (vans, ships, military, etc.).

CR User Station

Its modular and ergonomic design includes:

- Cassette identification functions
- Space for:
 - Workstation for image handling, processing and dispatching
 - Monitor, network switches and UPS
 - Cassette storage.



CR 35-X can easily be placed at any location, even in combination with the CR User Station.



Integrated CR User Station for time-saving identification and optimized workflow.

An economical way to go digital

CR is compatible with all existing X-ray systems, allowing X-ray departments to go digital without significant additional investments and workflow adaptations.

CASSETTE SIZES: CR 35-X

Accepted Cassette Sizes	Spatial Resolution	Pixel Matrix Size
Standard resolution		
35 x 43 cm (14 x 17 in)	6 pixels / mm	2320 x 2828
35 x 35 cm (14 x 14 in)	6 pixels / mm	2320 x 2320
High resolution		
35 x 43 cm (14 x 17 in)	10 pixels / mm (option)	3480 x 4240
35 x 35 cm (14 x 14 in)	10 pixels / mm (option)	3480 x 3480
35 x 43 cm (automatic collimation to 21 x 43 cm)	10 pixels / mm	2020 x 4240
24 x 30 cm	10 pixels / mm	2320 x 2920
18 x 24 cm	10 pixels / mm	1720 x 2320
15 x 30 cm	10 pixels / mm	1420 x 2920
8 x 10 in	10 pixels / mm	1950 x 2460
10 x 12 in	10 pixels / mm	2460 x 2970
Extremities		
24 x 30 cm	20 pixels / mm	4760 x 5840
18 x 24 cm	20 pixels / mm	3560 x 4640

SAFETY

Region	Regulation	X-Ray	Laser
Europe	EN 60601-1: 1990 + A1: 1993 + A2: 1995 EN 60601-1-2: 2001	Regulation: 1987	EN 60825 - 1:2001
USA	UL 2601 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

- Single cassette feed
- Throughput: up to 71 plates/h
(depending on size and application)

LCD display

- Machine status and error conditions

Greyscale resolution

- Data acquisition: 12 bits/pixel
- Output to processor: 12 bits/pixel

Dimensions and weight

- (W x D x H): 45 x 75 x 141 cm (17.7 x 29.5 x 55.5 in)
- Depth at cassette slot: 73 cm (28.7 in)
- Weight: Approx.: 270 kg

Power

- 230 - 240 V/50-60 Hz
Standby 250W, max 1610W, 16A fuse
- 120V/60Hz (USA)
Standby 250W, max 1440W, 15A fuse

- 100V/60Hz (Japan)
Standby 250W, max 1500W, 15A fuse

Environmental conditions

- Temperature: 20 - 30 °C (68 - 86°F)
- Humidity: 15 - 75% RH
- Magnetic fields: max. 12.60 µT in conformance with EN 61000-4-8: level 3
- Rate of change of temperature: 0.5°C/minute (0.9°F)

Environmental effects

- Noise level: max. 65 dB (A)
- Heat dissipation: standby 250 W, max. 1610 W

SAFETY

Approvals

- TÜV, UL, cUL, CE

Transport details

- Temperature: -25 to +55°C (-4 to 131°F),
-25°C for max. 72 hours, +55°C for max. 96 hours
- Humidity: 10 - 100% RH



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Agfa-Gevaert has been awarded the Approval of Conformity certificate by Lloyd's Register Quality Assurance. It certifies that the Quality Management System for our X-Ray films conforms to the requirements of Annex V of the EEC Directive 93/42. Agfa HealthCare has been certified by Lloyd's Register Quality Assurance Limited to the following quality management system standards: ISO 9001:2000 and EN ISO 13485-2003. The quality management system is applicable to: marketing, design, development and production of imaging and communication solutions (film, paper and plates, chemicals, components, equipment and software) for Healthcare applications. Agfa-Gevaert had been awarded the ISO 9001 certificate by TÜV Zertifizierungsgemeinschaft e.V. This is applicable to Agfa's Quality Management System for design, production and servicing of Agfa Medical Equipment. Products distributed in North America are manufactured by/for Agfa Corporation, 10 South Academy St., Greenville, South Carolina 29601. Agfa, the Agfa rhombus and MUSICA are trademarks of Agfa-Gevaert N.V., Belgium or its affiliates. All other trademarks are held by their respective owners and are used in an editorial fashion with no intention of infringement. The data in this publication are for illustration purposes only and do not necessarily represent standards or specifications which must be met by Agfa. All information contained herein is intended for guidance purposes only, and characteristics of the products described in this publication can be changed at any time without notice. Products may not be available for your local area. Please contact your local sales representative for availability information. Agfa diligently strives to provide as accurate information as possible, but shall not be responsible for any typographical error.

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