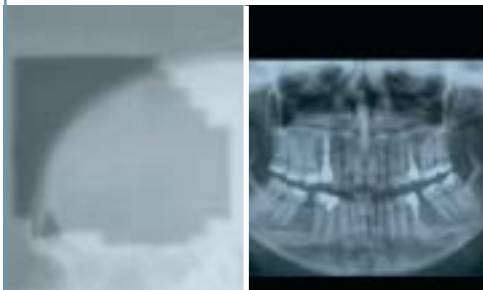




CR 25.0 DIGITIZER *for Computed Radiography*

Small footprint digitizer
for a unique range
of clinical applications

For a broad range of applications



> **CR 25.0 IS A MULTI-APPLICATION DIGITIZER, BENEFITING FROM THREE DIFFERENT IMAGE RESOLUTION MODES.**

Broad range of applications

CR 25.0 is a highly versatile digitizer. It offers an ideal solution for any decentralized CR environment. CR 25.0 can handle General Radiology, Orthopedics, Dental, Pediatric and Radiotherapy applications (simulation, low dose and high dose portal imaging).

CR 25.0 is also a perfect complement to existing centralized CR systems.

Full data

CR 25.0 reads imaging plates at a standard resolution of 6 pixels/mm. 10 pixels/mm high resolution capability is available for all image plate sizes. 20 pixels/mm resolution is available for dedicated 18 x 24 cm and 24 x 30 cm extremities cassettes and plates.

CR 25.0 DIGITIZER



CR 25.0 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



Small footprint

The small CR 25.0 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 25.0 can be used inside the X-ray room.

In combination with a mobile kit, it is also fit for mobile use (vans, ships, military,...).

Universal CR User Station

Optionally, a fully integrated CR User Station is available.

The CR User Station is suitable for all CR environments:

- Decentralized CR
(Surgery, Intensive Care Unit, Emergency Room, Radiotherapy,...)
- Personal CR
- In-room CR solutions.

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.

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

ACCEPTED CASSETTE SIZES	SPATIAL RESOLUTION	PIXEL MATRIX SIZE
Standard resolution		
35 x 43 cm (14 x 17 in)	6 pixels / mm	2320 x 2826
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
Radiotherapy (simulation and portal imaging)		
35 x 43 cm (14 x 17 in)	6 pixels / mm	2320 x 2826



> 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 73 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.: 210 kg

Power

- 230 - 240 V/50-60 Hz
Standby 230W, max 1610W, 16A fuse
- 120V/60Hz (USA)
Standby 216W, max 1440W, 15A fuse
- 100V/60Hz (Japan)
Standby 220W, max 1500W, 15A fuse

Environmental conditions

- Temperature: 15 - 30 °C (59 - 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 350 W, max. 2000 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: 5 - 95% RH



Agfa-Gevaert has been certified by Lloyd's Register Quality Assurance Limited to the following quality management system standard: ISO 9001:2000.

The quality management system is applicable to: For Healthcare applications - Marketing, design, development and production of imaging and communication solutions (film, paper and plates, chemicals, components, equipment and software).

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.

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