



CR 35-X

Digitizer

SMALL FOOTPRINT DIGITIZER FOR THE COMPLETE RANGE OF CLINICAL APPLICATIONS

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:

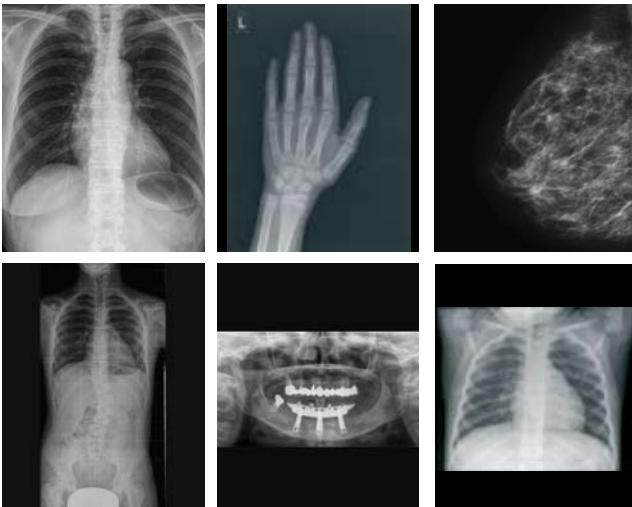
- General radiography
- Orthopaedics - Extremities
- Dental
- Paediatrics

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.

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



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	4640 x 5840
18 x 24 cm	20 pixels / mm	3440 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 μ T 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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