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 and Pediatric applications.
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 will be available for dedicated 18 x 24 cm and 24 x 30 cm mammography and extremities cassettes and plates.

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CR 25.0 DIGITIZER
for Computed Radiography

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,...)
- 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
Mammography and 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		

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

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