



ADC Compact Digitizer

HIGH-THROUGHPUT, MULTI-USER DIGITIZER WITH "DROP-AND-GO" BUFFER

Automated CR Reading

Agfa's ADC Compact™ digitizer maximizes staff productivity by requiring no manual interaction. The user simply deposits the cassettes in the input buffer and system automatically operates at maximum speed. Waiting time at the digitizer is eliminated.

The system takes cassettes from the input buffer, reads the demographic data, scans the imaging plate, digitizes the image, and returns the cassette to the output buffer, all automatically. The buffer systems takes up to ten cassettes at a time, so a user can immediately deposit cassettes and return to the patient.

Compact and Productive

The ADC Compact has a small footprint and provides convenient access for multiple simultaneous users. Several technologists can access the input and output buffers at the same time. This provides smooth, efficient workflow for imaging department staff. The system's ergonomic design helps promote safety in a busy working environment.

Full Data

The ADC Compact reads the imaging plate with 12 bits/pixel grayscale resolution. The complete raw data set is transmitted to the image processing computer. Spatial resolution ranges from 6 to 9 pixel/mm, depending on the imaging plate size. Standard resolution provides readout with approximately 2 x 2.5K pixel matrices. High resolution reading is available with readout at 9 pixels/mm for all plate sizes (optional for 14" x 14" and 14" x 17"). With this option, a 14" x 17" plate is read out with a pixel matrix corresponding to a spatial resolution of 9 pixels/mm.

ADC COMPACT™ DIGITIZER

Highly productive and user-friendly CR digitizer

Completely automated computed radiography (CR) plate reading

"Drop-and-go" buffer

Compact footprint and ergonomic design

Building block for digital X-ray department

DIGITIZER

X-RAY FILM & PROCESSORS

COMPUTED RADIOGRAPHY

HARD COPY

IMAGE MANAGEMENT

VALUE ADDED SERVICES

SERVICE & SUPPORT

AGFA 

ADC Compact Digitizer

Technical Data

Economical Way To Go Digital

ADC Compact cassettes are compatible with conventional X-ray tables, so conventional X-ray departments can use digital technology without extra investment in digital X-ray units. This, combined with its high productivity, makes the ADC Compact a cost-effective building block for the digital X-ray department.

Dimensions: (w x d x h) 33" x 45" x 55" 84 x 115 x 140 cm	Grayscale Resolution: Data acquisition: 12 bits/pixel Output to processor: 12 bits/pixel	LCD Display: Machine status and error conditions
Weight: Approx. 704 lbs. (320 kg)	Spatial Resolution: Reading sample frequency: 14" x 17" (35 x 43 cm): 6 pixels/mm 14" x 14" (35 x 35 cm): 6 pixels/mm 14" x 17" HR (35 x 43 cm HR): 9 pixels/mm (optional) 14" x 14" HR (35 x 35 cm HR): 9 pixels/mm (optional) 10" x 12" (24 x 30 cm): 9 pixels/mm 8" x 10" (18 x 24 cm): 9 pixels/mm 6" x 12" (15 x 30 cm): 9 pixels/mm	Environmental Conditions: Temperature: 60°F - 85°F (15°C - 30°C) Humidity: 15% - 75% RH Magnetic fields: max. 1260 mT
Performance: Throughput: 70 plates/hour 8" x 10" (18 x 24 cm) 65 plates/hour 14" x 17" (35 x 43 cm) 40 plates/hour 14" x 17" HR (35 x 43 cm HR)	Pixel Matrix Size: 14" x 17" (35 x 43 cm): 2048 x 2494 14" x 17" HR (35 x 43 cm HR): 3062 x 3730 14" x 14" (35 x 35 cm): 2048 x 2048 14" x 14" HR (35 x 35 cm HR): 3062 x 3062 8" x 17" (21 x 43 cm) (partial scan of 14" x 17" (35 x 43 cm) cassette): 1778 x 3732 10" x 12": (24 x 30 cm): 2040 x 2570 8" x 10": (18 x 24 cm): 1514 x 2044 6" x 12": (15 x 30 cm): 1248 x 2570	Environmental Effects: Noise level: max. 65 dB (A) Heat dissipation: standby 900 W, max. 2500 W
Power: 230 - 240 V/400 - 415V 3 N~, 50 Hz Fuse min. 3 x 14 A, max. 3 x 20 A slow blow power consumption max. 12 A/Ph 200 V/ 208 V 3 Ph~, 60 Hz Fuse 3 x 20 A slow blow Power consumption max. 17 A/Ph	Safety Standards: EN 60825-1: 1994 IEC 950/EN60950/ VDE0805/11:91 EG regulation compliance 93/42/EEC (medical device)	Approvals: Tüv, GS, UL, CUL
Cassette Buffer Capacity: 10 cassettes of mixed sizes, in both input and output buffers		
Accepted Cassette Sizes: 14" x 17" (35 x 43 cm) 14" x 14" 9 (35 x 35 cm) 10" x 12" (24 x 30 cm) 6" x 12" (15 x 30 cm) 8" x 10" (18 x 24 cm)		

ADC COMPACT DIGITIZER BENEFITS

- Automates digitization of CR cassettes
- Eliminates waiting time at the digitizer
- Streamlines work flow
- Provides a cost-effective building block for a fully digital X-ray department

Medical Imaging

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Agfa-Gevaert has been approved by Lloyd's Register Quality Assurance limited to the following Quality Management System Standards: ISO 9001:1994; EN ISO 9001:1994, and ANSI/ASQC Q9001-1994.



The Quality Management System is applicable to the development, production and distribution of Agfa Medical Films.

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 and Medical Devices Regulation 1994:3017.

Agfa Medical Imaging has been approved by Lloyd's Register Quality Assurance limited to the following Quality Management System Standards: ISO 9001:1994; EN ISO 9001:1994, and ANSI/ASQC Q9001-1994.

The Quality Management System is applicable to: Selling, Servicing, Distribution, and Design of Marketing of Agfa's Product Assortment of Equipment and Sensitive Materials Used in Medical Diagnostic Imaging, Non-Destructive Testing, Microfilm and Motion Picture Applications.

Agfa-Gevaert has 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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