



○ Economize Workflow and Space Usage With a Compact Digitizer That Scans Images and Intakes Patient Data Simultaneously

## > Smallest-footprint Digitizer

The ADC Solo digitizer is the smallest-footprint fully functional digitizer on the market today. It features a unique direct identification function, which receives patient data while the imaging plate is being scanned, avoiding the need for a separate ID Tablet and additional cassette handling. The ADC Solo digitizer can easily be placed in a confined location or practice. Designed with ease-of-use in mind, it requires only a standard wall outlet. After a quick and simple installation by a service technician, you immediately benefit from the many advantages of digital imaging.

### Time-saving Direct Identification

A unique function of the ADC Solo digitizer is its capacity to receive ID data and scan the imaging plate simultaneously. The cassette is inserted into the ADC Solo digitizer for image scan as patient data is entered on the ID station. Once the image scan is complete, both the scanned image and ID data are merged and sent to the processing station. (The cassette can also be inserted in the ADC ID tablet for identification before digitization.) Linking the ID software with the HIS/RIS system by means of ADC Rislink Toolkit software provides even greater efficiencies.

### Instant Image Preview

The ADC Solo digitizer's versatile Preview software allows for checking patient positioning, collimation border detection and processing quality even before the hardcopy is printed or the softcopy is sent to its destination. When digitized with the ADC Solo digitizer, the images can be immediately evaluated.

Unique ability to receive patient ID data and scan image plate simultaneously



Cost-effective step in X-ray department's transition to digital

Automated processing requires no manual interaction to speed delivery of patient care



Simple installation requiring only a standard wall outlet

## > Specifications

|   |  |  |
|---|--|--|
| <b>Digitizer Type:</b><br>Single cassette feed  | <b>Spatial Resolution:</b><br>Reading sampling frequency:<br>14" × 17" (35 × 43 cm):<br>6 pixels/mm<br>14" × 14" (35 × 35 cm):<br>6 pixels/mm<br>14" × 17" HR (35 × 43 cm HR): 9 pixels/mm (option)<br>14" × 14" HR (35 × 35 cm HR): 9 pixels/mm (option)<br>10" × 12" (24 × 30 cm):<br>9 pixels/mm<br>8" × 10" (18 × 24 cm):<br>9 pixels/mm<br>6" × 12" (15 × 30 cm):<br>9 pixels/mm<br>Output to processor:<br>12 bits/pixel | <b>Display:</b><br>Machine status and error conditions, emergency keys<br><br><b>Environmental Conditions:</b><br>Temperature: 60 – 85°F (15 – 30°C)<br>Rate of temperature change: 0.9°F/min.<br>Humidity: 15 – 75% RH<br>Magnetic fields: max. 12.60 μT (in conformance with EN 61000-4-8: level 3), 10 A/m<br><br><b>Environmental Effects:</b><br>Noise level: max. 65 dB (A)<br>Heat dissipation: standby 230 W maximum 1610 W<br><br><b>Safety Standards:</b><br>EN 60950, 60825-1: 1994, 60601-1-2, UL 1950<br>CSA C22.2 No 950<br>DHHS/FDA 21 CFR parts 1040.10 and 1040.11<br>EEC 89/336, 93/42, 73/23, 89/392<br><br><b>Approvals:</b><br>TüV, GS, CE, UL, CUL |
| <b>Dimensions:</b><br>(w × d × h)<br>18" × 30" × 56"<br>(Depth 29" at cassette-slot)  |  |  |
| <b>Weight:</b><br>Approx. 463 lbs.  |  |  |
| <b>Power:</b><br>230 – 240 V/50 – 60 Hz<br>standby 230 W, max. 1610 W, 16 A fuse (USA)<br>120 V/60 Hz (USA) standby 216 W, max.<br>1440 W, 15 A fuse<br>100 V/60 Hz (Japan)<br>standby 220 W, max.<br>1500 W, 15 A fuse |  |  |
| <b>Throughput:</b><br>60 plates/h 8" × 10"<br>(18 × 24 cm)<br>50 plates/h 14" × 17"<br>(35 × 43 cm)<br>35 plates/h 14" × 17" HR<br>(35 × 43 cm HR)  |  |  |
| <b>Accepted Cassette Sizes:</b><br>14" × 17" (35 × 43 cm)<br>14" × 14" (35 × 35 cm)<br>10" × 12" (24 × 30 cm)<br>6" × 12" (15 × 30 cm)<br>8" × 10" (18 × 24 cm)   |  |  |
| <b>Grayscale Resolution:</b><br>Data acquisition:<br>12 bits/pixel  |  |  |
|   | <b>Pixel Matrix Size:</b><br>14" × 17" (35 × 43 cm):<br>2048 × 2494<br>14" × 17" HR (35 × 43 cm HR): 3062 × 3730<br>14" × 14" (35 × 35 cm):<br>2048 × 2048<br>14" × 14" HR (35 × 35 cm HR): 3062 × 3062<br>8" × 17" (21 × 43 cm) (partial scan of 14" × 17" (35 × 43 cm) cassette):<br>1778 × 3732<br>10" × 12" (24 × 30 cm):<br>2040 × 2570<br>8" × 10" (18 × 24 cm):<br>1514 × 2044<br>6" × 12" (15 × 30 cm):<br>1248 × 2570 |  |

### Full Data for Top Imaging Quality

The ADC Solo digitizer reads the imaging plates with 12 bits/pixel grayscale resolution. The complete raw data set is transmitted to the image processing computer. Spatial resolution can range from 6–9 pixels/mm.

## Automated Processing

The ADC Solo digitizer scans the exposed ADC imaging plate, converting the information into digital data. It then automatically transfers the image to the image processing computer for further processing and visualization as well as to a predefined preview station. It requires no manual interaction. Once the cassette is inserted, the ADC Solo digitizer automatically takes it from the input, reads the demographic data from the cassette memory chip, scans the imaging plate, digitizes the image and returns the cassette to the output for new exposures.

## An Economic Way to Go Digital

ADC Solo cassettes are compatible with conventional X-ray tables. This allows conventional X-ray departments to adopt digital technology without additional investments in digital X-ray units. The flexibility of the ADC Solo digitizer makes it a cost-effective building block for the transition to a fully digital X-ray department.

For the latest information on product specifications and features, visit our website at: [www.agfa.com/healthcare](http://www.agfa.com/healthcare)



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.

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