The high-performance CR that’s easy to use
Simple & Compact: A winning combination makes the XG-1 the CR system of choice

Fujifilm’s FCR XG-1 Computed Radiography system greatly simplifies digital X-ray imaging. This extremely compact device reads and processes digital X-ray image information that’s been recorded on an imaging plate (IP) using a cassette-type X-ray stand. Simple by adding the XG-1 to your existing equipment, your radiography room can provide all the benefits of a highly advanced digital system, without having to replace all of your equipment. Portability and connectivity features ensure unprecedented versatility, since you can move the imager outside the radiology department, establish a remote imaging network, then quickly and easily print out hard copies on film using an image recorder.

FCR XG-1: the digital X-ray imaging system that’s easy-to-use and goes anywhere.

Main Features

- Advanced digital-image processing produces easy-to-read, high-diagnostic-value radiographs.
- The XG-1 works with most existing equipment, ensuring that you reap the benefits of digital without having to replace your radiography room equipment.
- Can use the XG-1 in a multitude of environments and situations.
- Wide dynamic range captures rich diagnostic information; automatic sensitivity-adjustment function minimizes variations in X-ray exposure, ensuring more consistent image quality.
- In multiple-unit configuration, CR Console will mutually share the patient’s database throughout the network allowing easy access to the patient datasets from anywhere.
- Compact single-cassette reader with automatic feed/load streamlines workflow, improving cost performance with processing potential of 62 IP/hr (14” x 14”).

Simple Operation

All operations, from recording all operations, including patient ID entry to post-processing of the image, are intuitive and easy to perform.

STEP 1: X-ray shooting

STEP 2: Input patient data or, select patient data from worklist

STEP 3: Select target exposure from exposure menu

STEP 4: Insert cassette

STEP 5: Make necessary QA (Quality Assurance) Operations

STEP 6: Film/PACS output

FCR XG-1 Applications

Basic Configuration

Remote Configuration

Simple and compact, the XG-1 can accommodate single as well as multiple radiography rooms. The system’s built-in ease-of-use allows establishing an imaging network, then quickly and easily printing out hard copies on film using an image recorder, or viewing the images on a PACS, even in remote departments.

Access XG-1 data-input at remote clinics, while easily maintaining the central facility’s data with up-to-date, error-free accuracy.
FUJIFILM FCR XG-1 SPECIFICATIONS

Standard Components (some items are sold separately)
- Image Reader Unit (Model: CR-IR 346RU)
- CR Console (Plus or Lite is optional)
- Display Monitor (standard or high-resolution is optional)

Other System Components
- CR Console Plus / Lite (additional units)
- Printer: DRYPIX 1000/3000/4000/7000

Options for Image Reader Unit
- Stand with cassette holder
- Floor-fix kit for earthquake precautions
Software options for CR Console are available in leaflet # XB-463.

Supplies
- IP Cassette:
  - IP Cassette Type C BW (with barcode window)
    - 14" x 17" (35.4 x 43.2cm), 14" x 14" (35.4 x 35.4cm),
      10" x 12" (25.7 x 30.5cm), 8" x 10" (20.3 x 25.4cm),
      24 x 30cm, 18 x 24cm
  - Longview Cassette (to be used with special software)
    - 35.4 x 101.7cm, 35.4 x 124.5cm, 25.2 x 58.0cm,
    - Type PII for Linac/Oncology
      - 14" x 17" (35.4 x 43.2cm), 14" x 14" (35.4 x 35.4cm), 10" x 12"
        (25.7 x 30.5cm)
  - Image Plate (IP) ST-VI (standard type):
    - 14" x 17" (35.4 x 43.2cm), 14" x 14" (35.4 x 35.4cm),
      10" x 12" (25.7 x 30.5cm), 8" x 10" (20.3 x 25.4cm),
      24 x 30cm, 18 x 24cm

Reading Gray Scale
12 bits/pixel

Dimensions (W x D x H)
550 x 515 x 1065mm (21.7" x 20.3" x 41.9")

Weight
155kg (342 lb.)

Power Supply
Single phase 50-60Hz, 120/200-240VAC ±10%, 2.6-1.3A

Environmental Conditions
Temperature: 15~30°C

Operative Conditions
Humidity: 40~80%RH (No dew condensation)

Time Required for IP Feeding/Loading (using ST-VI IP)
- IP auto feed/load mechanism cycle time
  - 14" x 17" (35.4 x 43.2cm): Approx. 64 sec.
  - 14" x 14" (35.4 x 35.4cm): Approx. 56 sec.
  - 10" x 12" (25.7 x 30.5cm): Approx. 52 sec.
  - 8" x 10" (20.3 x 25.4cm): Approx. 42 sec.
  - 24 x 30cm: Approx. 52 sec.
  - 18 x 24cm: Approx. 40 sec.

Processing Capacity (using a ST-VI IP with DryPix 7000: time required for cassette exchange set at 2 sec.)

<table>
<thead>
<tr>
<th>Size</th>
<th>Cassette exchange 2 sec.</th>
<th>Cassette exchange 0 sec.</th>
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</thead>
<tbody>
<tr>
<td>14&quot; x 17&quot;</td>
<td>Approx. 54 IPs/hr.</td>
<td>Approx. 56 IPs/hr.</td>
</tr>
<tr>
<td>14&quot; x 14&quot;</td>
<td>Approx. 62 IPs/hr.</td>
<td>Approx. 64 IPs/hr.</td>
</tr>
<tr>
<td>10&quot; x 12&quot;</td>
<td>Approx. 66 IPs/hr.</td>
<td>Approx. 69 IPs/hr.</td>
</tr>
<tr>
<td>8&quot; x 10&quot;</td>
<td>Approx. 81 IPs/hr.</td>
<td>Approx. 85 IPs/hr.</td>
</tr>
<tr>
<td>24 x 30cm</td>
<td>Approx. 66 IPs/hr.</td>
<td>Approx. 69 IPs/hr.</td>
</tr>
<tr>
<td>18 x 24cm</td>
<td>Approx. 85 IPs/hr.</td>
<td>Approx. 90 IPs/hr.</td>
</tr>
</tbody>
</table>

Longview Cassette
- 35.4 x 101.7cm,
- 35.4 x 124.5cm,
- 25.2 x 58.0cm,
- 10" x 12" (25.7 x 30.5cm)

Type PII for Linac/Oncology
- 14" x 17" (35.4 x 43.2cm),
- 14" x 14" (35.4 x 35.4cm),
- 10" x 12" (25.7 x 30.5cm)

“Image Intelligence™” is a set of sophisticated digital image-processing software technologies that are incorporated in the FCR XG-1.

Specifications and PC requirements are subject to change without notice. All brand names or trademarks are the property of their respective owners.