

FCR XG-1

FUJI COMPUTED RADIOGRAPHY

The high-performance CR that's easy to use

 Image
Intelligence™



FCR

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.

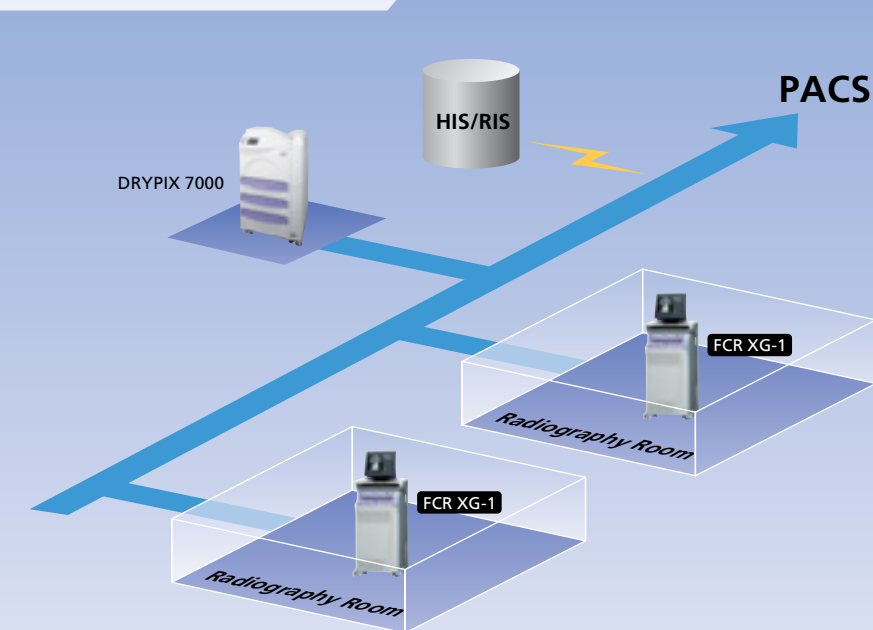
Main Features

- 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").



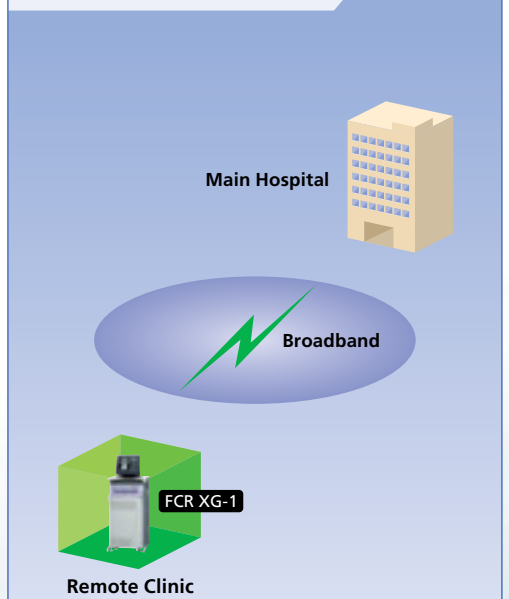
FCR XG-1 Applications

Basic 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.

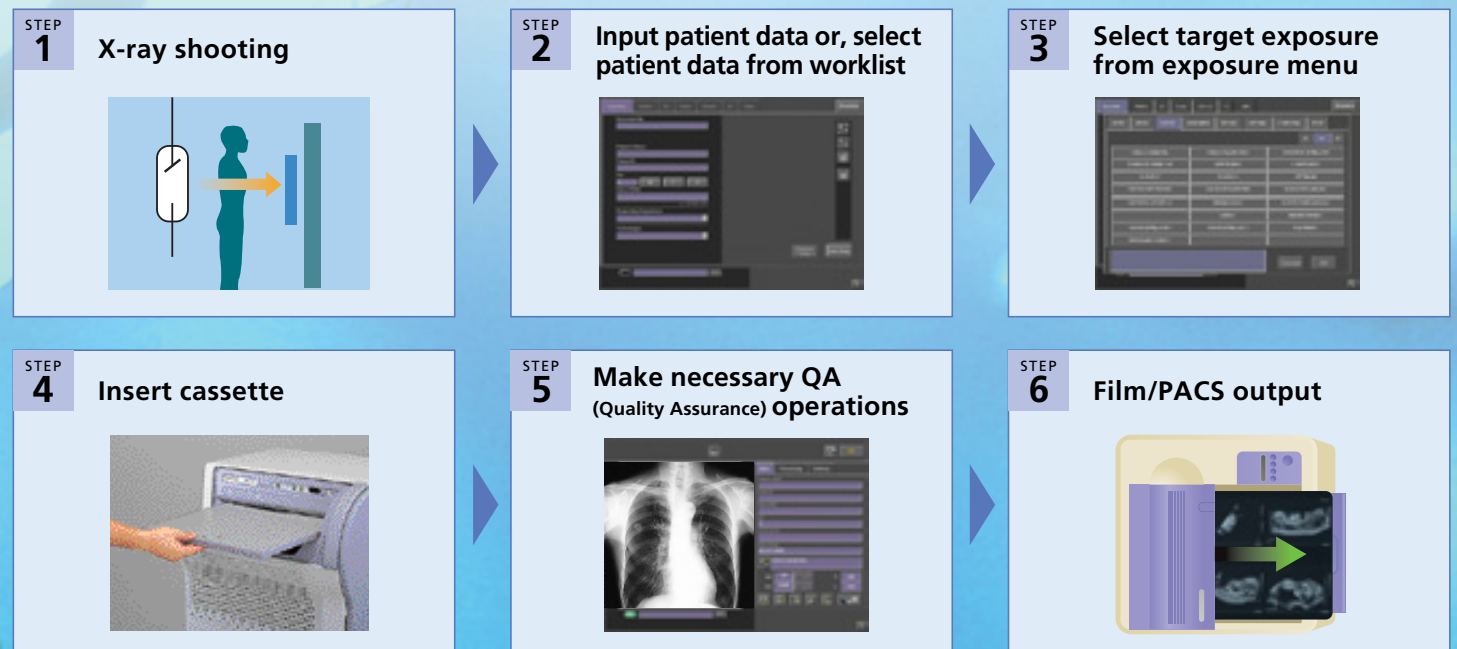
Remote Configuration



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

Simple Operation

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



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

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.)

Size	Cassette exchange 2 sec.	Cassette exchange 0 sec.
14" x 17" (35.4 x 43.2cm)	Approx. 54 IPs/hr.	Approx. 56 IPs/hr.
14" x 14" (35.4 x 35.4cm)	Approx. 62 IPs/hr.	Approx. 64 IPs/hr.
10" x 12" (25.7 x 30.5cm)	Approx. 66 IPs/hr.	Approx. 69 IPs/hr.
8" x 10" (20.3 x 25.4cm)	Approx. 81 IPs/hr.	Approx. 85 IPs/hr.
24 x 30cm	Approx. 66 IPs/hr.	Approx. 69 IPs/hr.
18 x 24cm	Approx. 85 IPs/hr.	Approx. 90 IPs/hr.

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

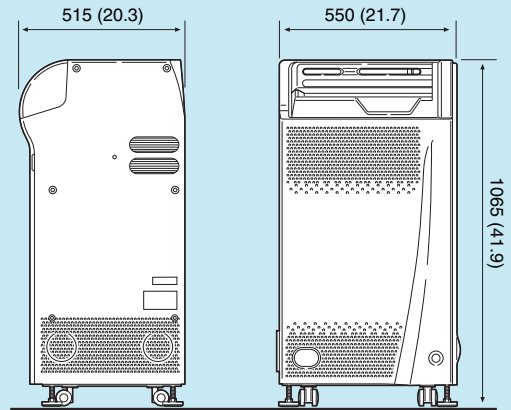
Temperature: 15~30°C

Operative Conditions

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

Dimensions

unit: mm (in.)



IP Cassettes



Longview Cassette

35.4 x 101.7cm,
35.4 x 124.5cm,
25.2 x 58.0cm,
35.4 x 83.0cm,
24.0 x 57.0cm



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 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.



Classified
Computed Radiography
WITH RESPECT TO ELECTRIC SHOCK, FIRE
AND MECHANICAL HAZARDS ONLY
IN ACCORDANCE WITH UL2691/CAN/CSA C22.2 NO.601.1
E.C. 60609-2-22
E.C. 60609-1
539K



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