FUJIFILM

FCR XG5000

FUJI COMPUTED RADIOGRAPHY

A high-efficiency FCR reader offering quality imaging and all-round versatility for superior diagnostic capability.

Image Intelligence™

http://www.fujifilm.com/products/medical/

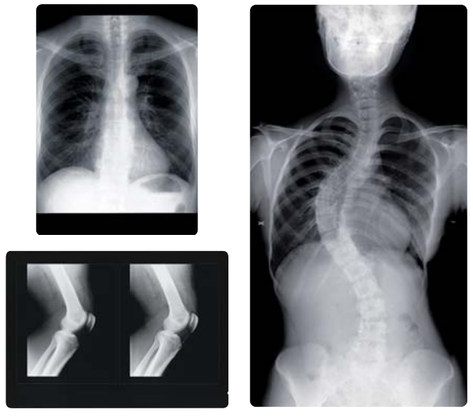
An industry-standard digital imaging technology to suit your diagnostic needs.

Fujifilm's new XG5000 has been engineered and designed for even greater user-friendliness and efficiency, making it the standard of excellence in the FCR reader line-up.
Incorporating renowned Fuji image processing technology to yield wide-latitude images of high resolution and consistently high image quality, the XG5000's compact size and remarkable operator convenience make it the reader of choice for general-purpose diagnostic needs.

Compact Size

Operator convenience and versatility benefit from the exterior dimensions, including a small footprint of 655 mm x 740 mm.

A Multi-purpose FCR



Compact in overall dimensions yet extremely powerful in specified applications, the XG5000 can provide chest, spine, head and other plain x-ray imaging, as well as spinal canal, urinary organ, and other contrast medium x-ray imaging and x-ray tomography.

Enhanced Image Processing

"Image Intelligence™" – a set of sophisticated digital image-processing software technologies available through the CR Console – processes image data and optimizes final output.

FNC **Flexible Noise Control**

Provides a non-grainy image by mainly isolating and suppressing the noise for the signal.

MFP **Multi-frequency Processing (option)***

As an optional software applicable for all types of FCR imaging, MFP is an improved version which uses frequency enhancement to provide more diagnostic data from a single exposure image, using Fujifilm's renowned Dynamic Range Control (DRC).
MFP improves visibility of both dense and peripheral tissue by simultaneously applying edge enhancement processing to small and large structures within an image.

** Image processing requires the use of FCR CR Console Plus*

GPR **Grid Pattern Removal (option)**

Removes the stationary grid patterns thus preventing Moiré from being generated resulting in easier diagnosis. (convenient for a cassette study)

Quick Image Delivery

Connected to the CR Console, 14" x 17" images in 10-pixel resolution are viewable in only 39 seconds from the time of exposure, enabling quick turn-around. When printing on the DRYPIX 7000, prints are available within 110 seconds of a cassette insertion.

Convenient and Efficient

A convenient stacker accommodating four-cassette stackers at once minimizes operator wait time thus enabling the processing of up to 103 Imaging Plates (IP) (35 x 43 cm) per hour.

Enhanced Inter-operability Through CR Console

Standardized control of image plus data processing through the CR Console ensures consistently optimized "first-up" images, reducing time for image adjustment. Image quality is consistent with other Fujifilm CR readers.

XG5000

FUJIFILM FCR XG5000 Specifications

Standard Components:
- FCR XG5000 Image Reader (Model: CR-IR 362)
- AC power cord

Other System Components (sold separately):
- CR Console Plus (sold separately)
- Image Recorder : DRYPIX 4000/7000
- ID Card Writer
- FCR Data Management System

Supplies:
Imaging Plate:
- ST-VI (Standard): 14″ x 17″, 14″ x 14″, 10″ x 12″, 8″ x 10″, 24 x 30 cm, 18 x 24 cm
- HR-V (High Resolution): 24 x 30 cm, 18 x 24 cm

IP Cassette:
- Type CC: 14″ x 17″, 14″ x 14″, 10″ x 12″, 8″ x 10″, 24 x 30 cm, 18 x 24 cm
- Type LC: 35.4 x 124.5 cm, 35.4 x 101.7 cm, 35.4 x 83.0 cm, 25.2 x 58.0 cm, 24.0 x 57.0 cm

Time Required for IP Feed/Load:

IP Type	IP Size	Required Time
ST-VI	14″ x 17″ (35 x 43 cm)	Approx. 60 sec.
ST-VI	14″ x 14″ (35 x 35 cm)	Approx. 54 sec.
ST-VI	10″ x 12″	Approx. 50 sec.
ST-VI	8″ x 10″	Approx. 40 sec.
ST-VI	24 x 30 cm	Approx. 51 sec.
ST-VI	18 x 24 cm	Approx. 42 sec.
HR-V	24 x 30 cm	Approx. 65 sec.
HR-V	18 x 24 cm	Approx. 55 sec.

Processing Capacity
(in high-pixel density two-image output format):

IP Type	IP Size	When connected to DRYPIX 7000/CR Console Plus
ST-VI	14″ x 17″ (35 x 43 cm)	Approx. 103 IPs/hr.
ST-VI	14″ x 14″ (35 x 35 cm)	Approx. 120 IPs/hr.
ST-VI	10″ x 12″	Approx. 128 IPs/hr.
ST-VI	8″ x 10″	Approx. 165 IPs/hr.
ST-VI	24 x 30 cm	Approx. 128 IPs/hr.
ST-VI	18 x 24 cm	Approx. 165 IPs/hr.
HR-V	24 x 30 cm	Approx. 90 IPs/hr.
HR-V	18 x 24 cm	Approx. 110 IPs/hr.

Time to Print on DRYPIX 7000 through network via CR Console:
Approx. 110 sec.

Image Reading (Image output is via CR Console)

Reading Size	Standard Pixel-density		High Pixel-density	
	Pixels/mm	Number of Pixels	Pixels/mm	Number of Pixels
14″ x 17″ (35 x 43 cm)	5	1760 x 2140	10	3520 x 4280
14″ x 14″ (35 x 35 cm)	5	1760 x 1760	10	3520 x 3520
10″ x 12″	6.7	1670 x 2010	10	2505 x 3015
8″ x 10″	10	2000 x 2510	10	2000 x 2510
24 x 30 cm (ST-VI)	6.7	1576 x 1976	10	2364 x 2964
18 x 24 cm (ST-VI)	10	1770 x 2370	10	1770 x 2370
24 x 30 cm (HR-V)	10	2364 x 2964	10	2364 x 2964
18 x 24 cm (HR-V)	10	1770 x 2370	10	1770 x 2370

Number of Stackers: 4

Reading Gray Scale: 12 bits

Network: 10 Base T/100 Base TX

Dimensions (W x D x H): 655 x 740 x 1480 mm (26″ x 29″ x 58″)

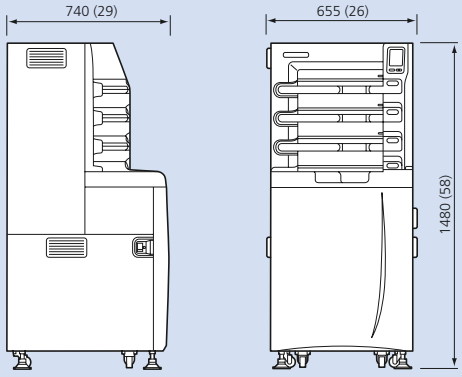
Weight: 270 kg (595 lbs.)

Power Supply Conditions:
Single phase 50-60Hz
AC120-240V ±10%
7A (max)

Environmental Conditions:
- Operating Conditions:
  Temperature: 15-30°C
  Humidity: 40-80%RH (No dew condensation)
- Non-operating Conditions:
  Temperature: 0-45°C
  Humidity: 10-90%RH (No dew condensation)

Dimensions

Unit: mm (in.)



IP Cassette with Imaging Plate

FCR long view cassette for Scoliosis

FCR standard cassette with or without lead foil backside.

This equipment is a Class 1 laser product (IEC60825).

Computed Radiography
WITH RESPECT TO ELECTRIC SHOCK, FIRE AND MECHANICAL HAZARDS ONLY
IN ACCORDANCE WITH UL2601-1/CAN/CSA C22.2 NO.601.1
IEC 60601-1-1 SSMK

CE 0123

Specifications are subject to change without notice.

In some countries, regulatory approval may be required to import medical devices.
For the availability of these products, please contact your local sales representatives.

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