

FUJIFILM

Always at the primacy of digital imaging
— the pride and legacy of Fujifilm



FUJI COMPUTED RADIOGRAPHY

PRIMA ^{NEW} Series

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



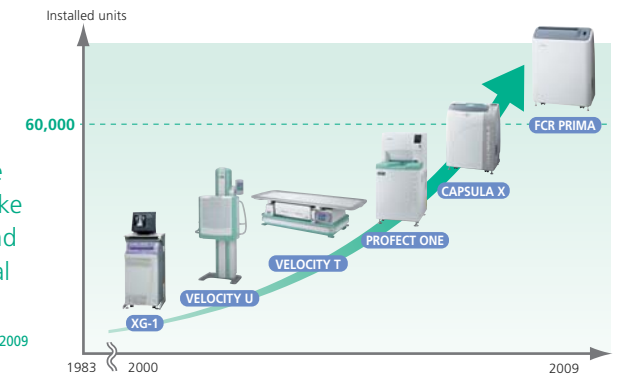
With the launch of the first FCR (Fuji Computed Radiography) product in 1983, we have brought "DIGITAL" X-ray diagnostics to the world of analog diagnostics. Since then, our products have always been at the forefront of digital imaging and have contributed to improving the efficiency of diagnostic imaging and the quality of medical care. A new stage in the history of X-ray diagnostics has been marked with the announcement of our FCR PRIMA. We are confident that this product will further enhance your diagnostic needs.

Only a pioneer can achieve such a thing
— Fujifilm's digital imaging system



Achievement

Since the launching of our first FCR product in 1983, we have been striving to develop the FCR technology further and to make available a wide range of products. Our superb technology and diversified product lineup has gained recognition from medical institutions of all practices and to date over 66,500* digital imaging systems have been installed worldwide. * As of end of March 2009

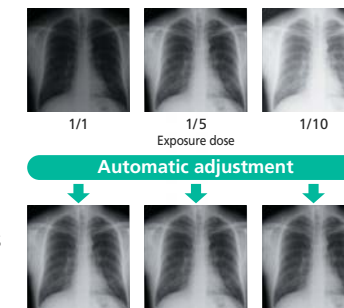


Quality

We have been able to achieve high imaging quality as a result of our long years of research in the technology of medical imaging. The proven high durability and high stability of our products are proof of our high quality.

Unparalleled high quality

The FCR offers over 180 pre-set Exposure Menus. They are optimized to each body part and exposure techniques, and supply you with the best quality image without any extra adjustment. Such excellence has been brought about by extensive joint efforts and collaboration with experienced radiologists for over 25 years.



Durability that we can be proud of

The FCR systems have proven to be day-in and day-out reliable, thanks to the well-designed product features and the built-in redundancy that prevents problems before they occur. In working with the FCR, its proven durability will provide you with the maximum uptime for your medical facilities.

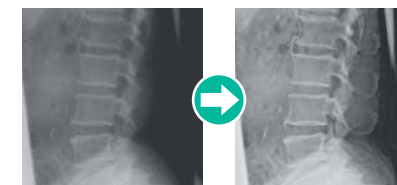
Originality



Image Intelligence™ from Fujifilm is an integration of various digital image-processing technologies to enhance the contrast and sharpness of the entire image without any risk of losing the image details. As such, Image Intelligence™ is the result of an ideal combination of Fujifilm's many years of experience in imaging and its ability to create superior hardware and software products.

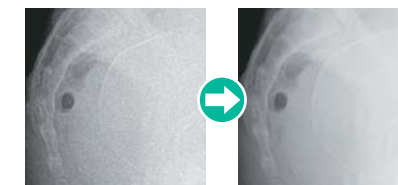
MFP* Multi-Frequency Processing

Enhances FCR images. All diagnostic scopes will be enhanced except for noise.
*Optional software



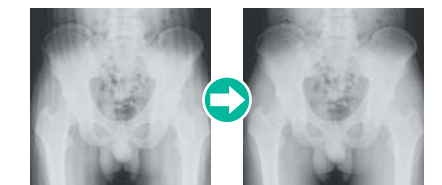
FNC Flexible Noise Control

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

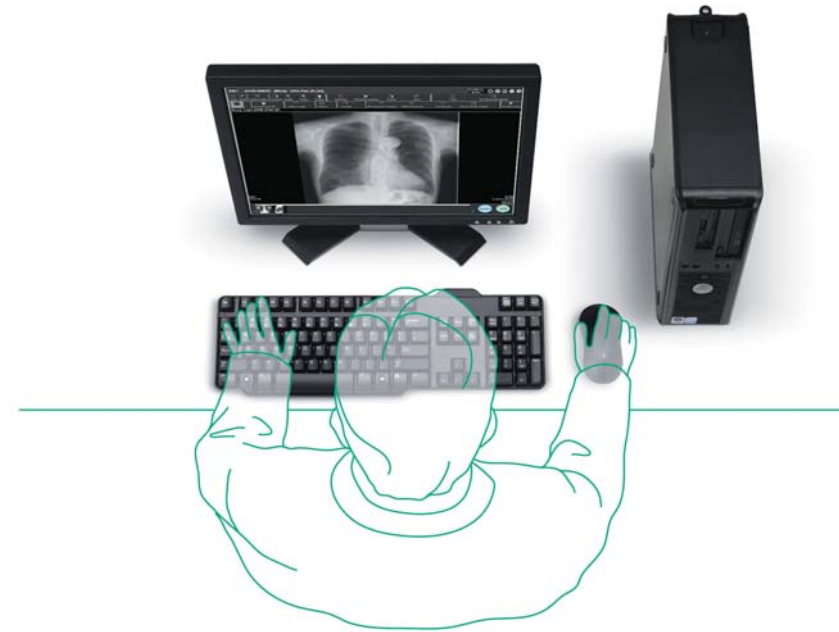
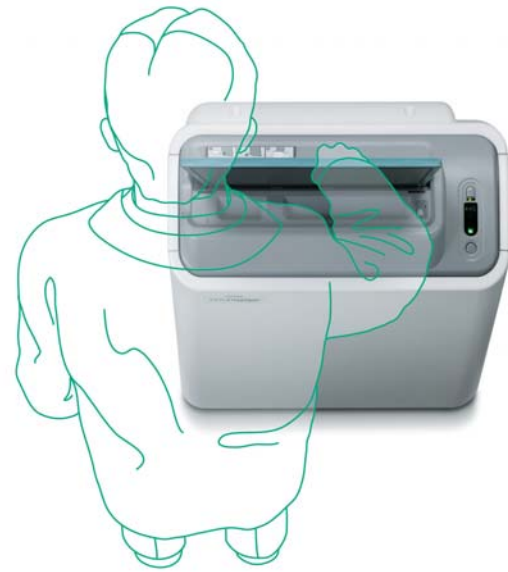


GPR Grid Pattern Removal

Removes the stationary grid patterns thus preventing Moiré from being generated resulting in easier diagnosis.



From digitalize to output, this is Fujifilm's seamless workflow



DIGITALIZE

Compact footprint, only 0.24m²

The FCR PRIMA is one of the most compact and lightweight reader units on the market. The required space is comparatively smaller than other similar table-top systems and can be installed in any open space. Another advantage of this unit is that you don't need a darkroom any longer.



Flexible reading in various sizes

The IP cassette can read various imaging sizes such as for the chest, lumbar spine, pantomography (15 x 30cm*), and extremities. Virtually all imaging requirements can be satisfied with a single unit.



*Optional (To be chosen at the time of purchase)

Stable and optimized images

Fujifilm's Image Intelligence™ technology automatically enables stable and optimized high-quality images.

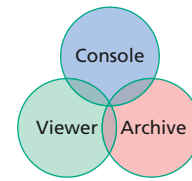
Other features

- Throughput of up to 29 images an hour
- Repeated use of IP

READ

All-in-one workstation

The FCR PRIMA Console is a complete image management workstation that is designed for simple and fast patient identification, image acquiring and processing, as well as image viewing, reprocessing, optimizing, and archiving.



Quick display and retrieval of images with simple operation



Exposure Menu

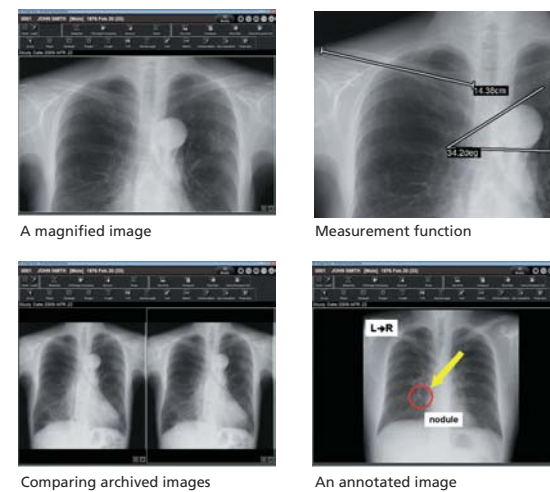
A previewed image

You can customize the user interface according to your preference such as adding shortcut buttons or removing unneeded ones. Just input patient information and select exposure menu, suitable image processing condition will be automatically applied. Adjusted image will be displayed for diagnosis. You can also speedily retrieve and display images from the patient database which can contain a maximum of 200,000 registrations.

Other features

- Limit of access to patient information for security
- The PDI (Portable Data for Imaging) function

Various diagnostic functions



A magnified image

Measurement function

Comparing archived images

An annotated image

The FCR PRIMA Console is a multi-functional unit that has functions to:

- change the magnification of an image
- display the studied images side-by-side
- compare the latest image with the archived images
- measure the length, angle, etc. of the image
- add annotation text, graphic symbols, and electronic markers to an image

- Preset image processing for more effective diagnosis

OUTPUT

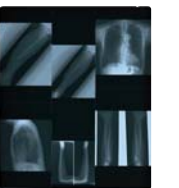
Table-top laser imager

The DRYPIX PRIMA is a compact and lightweight unit that can be set on top of tables or on racks. It is suitable for clinics with limited workspace.



Free layout print*

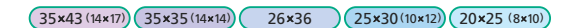
A maximum of 100 x-ray images from different studies can be laid out on one film page and printed out. The size of each image on the film is variable.



*Optional software of the FCR PRIMA Console (to be purchased separately).

Output in five film sizes with only one film tray

You can load one of five types of DI-HL film that fits your diagnostic needs. By adjusting the tray lever on the tray to the film size you want, you can output films in five different sizes.



Clean and user-friendly dry processing

Because diagnostic information accumulated in the imaging plate (IP) is read by laser beam and converted to digital data, there is no need for a liquid disposal facility, and no management and disposal of processed chemicals is required.

Other features

- Speedy output of up to 70 films an hour
- Easy output with one press of a button

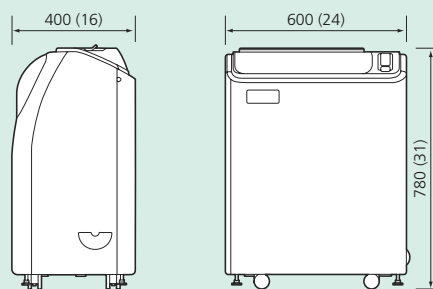
FCR PRIMA Specifications

Standard Components	FCR PRIMA Image Reader (Model: CR-IR 391RU) AC power cord
Other System Components	IP cassette type CC FCR PRIMA Console, FCRView Dry Imager: DRYPIX PRIMA, DRYPIX 2000, 4000, 7000
Supplies	Imaging Plate ST-VI: 35 x 43 cm (14" x 17"), 35 x 35 cm (14" x 14"), 10" x 12", 8" x 10", 24 x 30 cm, 18 x 24 cm, 15 x 30 cm IP Cassette Type CC: 35 x 43 cm (14" x 17"), 35 x 35 cm (14" x 14"), 10" x 12", 8" x 10", 24 x 30 cm, 18 x 24 cm, 15 x 30 cm
Time Required for IP Feed/Load	Min. 125 sec.
Processing Capacity	Up to 29 IPs/hr.
Time to Start on Display	Min. 23 sec.
Time to Print on DRYPIX PRIMA	Approx. 200 sec. in case of 35 x 43 cm Approx. 190 sec. in case of 35 x 35 cm
Number of Stacker	1
Network	10 Base T/100 Base TX
Dimensions (W x D x H)	600 x 400 x 780 mm (24" x 16" x 31")
Weight	70 kg (154 lbs.)
Power Supply Conditions	Single phase 50-60 Hz AC100-240V ±10% 5A (max)
Environmental Conditions	Operating Conditions: • Temperature: 15-30°C • Humidity: 15-80%RH (No dew condensation) • Atmospheric pressure: 750-1060 hPa

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

Dimensions

Unit: mm (in.)



Imaging Plate ST-VI

35 x 43 cm (14" x 17"),
35 x 35 cm (14" x 14"),
10" x 12", 8" x 10",
24 x 30 cm, 18 x 24 cm,
15 x 30 cm



IP Cassette Type CC

35 x 43 cm (14" x 17"),
35 x 35 cm (14" x 14"),
10" x 12", 8" x 10",
24 x 30 cm, 18 x 24 cm,
15 x 30 cm



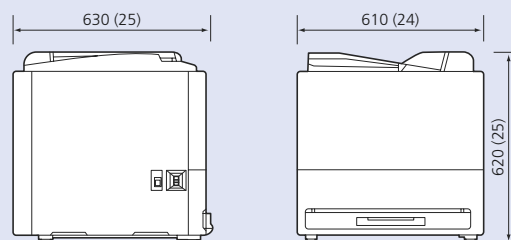
DRYPIX PRIMA Specifications

Standard Components	DRYPIX PRIMA Dry Laser Imager (Model: FM-DL 100) AC power cord
Recording Method	Laser exposure thermal development system
Film Type	Fuji Medical Dry Imaging Film DI-HL: 35 x 43 (14" x 17"), 35 x 35 (14" x 14"), 26 x 36, 25 x 30 (10" x 12"), 20 x 25 (8" x 10")
Film Loading	Daylight film loading
Film Tray	1 tray (changable for 5 film sizes by users)
Processing Capacity	Up to 70 films/hr.
Time Required for First Output	Min. 87 sec.
Grayscale Resolution	14 bits
Pixel Size	100 μm
Input Channels	DICOM network input x 1 channel only
Image Memory	512 MB (standard)
Density Adjustment	Automatic density correction
Dimensions (W x D x H)	610 x 630 x 620 mm (24" x 25" x 25")
Weight	85 kg (187 lbs.)
Power Supply Conditions	Single phase 50-60 Hz AC100/110/120V ±10% 12A AC200/220/230/240V ±10% 6A
Environmental Conditions	Operating Conditions: • Temperature: 15-30°C • Humidity: 15-70%RH (No dew condensation) • Atmospheric pressure: 750-1060 hPa

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

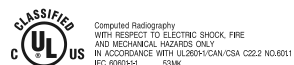
Dimensions

Unit: mm (in.)



Fuji Medical Dry Imaging Film DI-HL

- 35 x 43 (14 x 17): 100 sheets/pack
- 35 x 35 (14 x 14): 100 sheets/pack
- 26 x 36: 100 sheets/pack
- 25 x 30 (10 x 12): 100 sheets/pack
- 20 x 25 (8 x 10): 100 sheets/pack



Computed Radiography
WITH RESPECT TO ELECTRIC SHOCK, FIRE
AND MECHANICAL HAZARDS ONLY
IN ACCORDANCE WITH UL3609-1/CAN/CSA C22.2 NO.6011
IEC 60609-1 539K



Medical Dry Imager
WITH RESPECT TO ELECTRIC SHOCK, FIRE
AND MECHANICAL HAZARDS ONLY
IN ACCORDANCE WITH UL3609-1/CAN/CSA C22.2 NO.6011
IEC 60609-1 539K

Computed Radiography/Medical Dry Laser Imager  FCR PRIMA Console CR-IR 391CL  0123

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

FUJIFILM

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