**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:
  - 25 x 34 cm (10" x 13.4"), 35 x 43 cm (14" x 17"), 16 x 12" , 8" x 10"
  - 24 x 30 cm, 18 x 24 cm, 15 x 30 cm

- IP Cassette Type CC:
  - 25 x 34 cm (10" x 13.4"), 35 x 43 cm (14" x 17"), 16 x 12", 8" x 10"
  - 24 x 30 cm, 18 x 24 cm, 15 x 30 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.)

### Imaging Plate ST-VI
- Approx. 200 sec. in case of 35 x 43 cm
- Approx. 190 sec. in case of 35 x 35 cm

### IP Cassette Type CC
- 24 x 30 cm, 18 x 24 cm, 15 x 30 cm

### Operating Conditions
- Temperature: 15-30°C
- Humidity: 15-80%RH (No dew condensation)
- Atmospheric pressure: 750-1060hPa

### Power Supply Conditions
- Single-phase 50-60Hz
- 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).

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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 70,000* digital imaging systems have been installed worldwide.  
* As of end of September 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.

- Multi-Frequency Processing (MFP)
  Enhances FCR images. All diagnostic scopes will be enhanced except for noise.  
  *Optional software

- Flexible Noise Control (FNC)
  Provides a non-grainy image by mainly isolating and suppressing the noise for the signal.

- Grid Pattern Removal (GPR)
  Removes the stationary grid patterns thus preventing Moiré from being generated resulting in easier diagnosis.
From digitalize to archive, 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 30 cm²), 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.

**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 with simple operation**
  - Easy to use menus that guide your operation from image taking to diagnosis. You can customize the user interface according to your preference such as adding shortcut buttons or removing unneeded ones. Just input the patient information and select the Exposure Menu, then a suitable image processing condition will be automatically applied and the adjusted image will be displayed for diagnosis.

- **Various diagnostic functions**
  - 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

**ARCHIVE**

- **Integrated management of image data and patient information**
  - You can register a maximum of 200,000 patient information on the PC. The registered patient information can then be speedily retrieved and displayed by entering the patient name and ID number. Patient information can also be retrieved from a DICOM MMW server.*

- **Less storage space**
  - All images are stored in the HDD of the PC. These high-quality images can be copied to a DVD or NAS (Network Attached Storage) as backup. This digital system requires less storage space than an analog imaging system.

- **The PDI (Portable Data for Imaging) function**
  - By bundling the Simplified DICOM Viewer Software with the patient information onto CD-R or DVD-R, images can be distributed to patients for viewing on their PCs.

**Other features**

- **Througput of up to 29 images an hour**
- **Repeated use of IP**
- **Preset image processing for more effective diagnosis**
- **Can send images in JPEG format by e-mail**
- **Can print film through dry imager**

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*Requires an optional software.
### 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, 4600, 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 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

**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

**Environmental Conditions**

**Operating Conditions:***
- Temperature: 15-30 °C
- Humidity: 15-80%RH (No dew condensation)
- Atmospheric pressure: 750-1060hPa

**Power Supply Conditions**
- Single-phase 50-60Hz
- AC200-240V 10.0A (max)

**Processing Capacity**
- Up to 29 IPs/hr.

**Reading Specification**
- 10 pixels/mm

**Environmental Conditions**
- Temperature: 15-30°C
- Humidity: 15-80%RH (No dew condensation)
- Atmospheric pressure: 750-1060hPa

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