FUJIFILM FCR PROFECT ONE Specifications

Standard Components:
- FCR PROFECT ONE Image Reader (Model: CR-IR 358)
- Image Reader: DRYPIX 1000/3000/4000/7000
- ID Card Writer
- FCR Data Management System

Other System Components (sold separately):
- CR Console Plus
- Image Recorder: DRYPIX 1000/3000/4000/7000

Supplies:
- Imaging Plates:
  - ST-A (Standard): 8" x 10"; 10" x 12"; 14" x 14"; 14" x 17"; 18" x 24 cm, 24 x 30 cm
  - HR-V (High Resolution): 18" x 24 cm, 24 x 30 cm
  - HR-BD (Dual-Side Mammography): 18" x 24 cm, 24 x 30 cm

IP Cassette:
- Type C: 1330 (52") 7A (max) 10%...120% RH (No dew condensation)
- Type D: 1760 (65") 7A (max) 10%...100% RH

Gentle FCR for mammographic and pediatric imaging.
Delivering high-quality imaging from Fujifilm.

Specifications and PC requirements are subject to change without notice.
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Dimensions

<table>
<thead>
<tr>
<th>Type</th>
<th>Width</th>
<th>Height</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>HR-BD</td>
<td>24 cm</td>
<td>2964 mm</td>
<td>1976 mm</td>
</tr>
<tr>
<td>ST-BD</td>
<td>30 cm</td>
<td>3520 mm</td>
<td>2010 mm</td>
</tr>
</tbody>
</table>

IP Cassette with Imaging Plate

- OM Cassette with IP HR-BD for Dual-Side Mammography
- DG Cassette with IP ST-BD for Standard Dual-Side Imaging

Time Required for IP Feed/Load:

<table>
<thead>
<tr>
<th>IP Type</th>
<th>Required Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>10&quot; x 12&quot; (ST-BD)</td>
<td>Approx. 60 sec.</td>
</tr>
<tr>
<td>10&quot; x 10&quot; (ST-BD)</td>
<td>Approx. 60 sec.</td>
</tr>
<tr>
<td>12&quot; x 14&quot; (HR-BD)</td>
<td>Approx. 60 sec.</td>
</tr>
<tr>
<td>14&quot; x 17&quot; (HR-BD)</td>
<td>Approx. 60 sec.</td>
</tr>
<tr>
<td>18&quot; x 24 cm (HR-BD)</td>
<td>Approx. 60 sec.</td>
</tr>
<tr>
<td>24 x 30 cm (HR-BD)</td>
<td>Approx. 60 sec.</td>
</tr>
<tr>
<td>18&quot; x 24 cm (ST-BD)</td>
<td>Approx. 60 sec.</td>
</tr>
<tr>
<td>24 x 30 cm (ST-BD)</td>
<td>Approx. 60 sec.</td>
</tr>
<tr>
<td>18&quot; x 24 cm (ST-VI)</td>
<td>Approx. 60 sec.</td>
</tr>
<tr>
<td>24 x 30 cm (ST-VI)</td>
<td>Approx. 60 sec.</td>
</tr>
</tbody>
</table>

Power Supply Conditions:
Singleton phase 50-60Hz AC120-240V AC320-400V 10% (max)

Environmental Conditions:
- Operating Condition:
  - Temperature: 15-30°C
  - Humidity: 40-60%RH (No dew condensation)
- Non-operating Condition:
  - Temperature: -4°C
  - Humidity: 10-60%RH (No dew condensation)

Number of IPs/hr:
- Approx. 42 IPs/hr.
- Approx. 45 IPs/hr.
- Approx. 48 IPs/hr.
- Approx. 50 IPs/hr.
- Approx. 51 IPs/hr.
- Approx. 54 IPs/hr.
- Approx. 65 sec.
- Approx. 75 sec.
- Approx. 85 sec.
- Approx. 90 sec.
- Required Time

Ref. No. XB-564E | ©2006 FUJIFILM Corporation Printed in Japan
State-of-the-art one-stacker FCR for high resolution digital mammography and pediatric imaging.

FCR PROFECT ONE is a 1-stacker X-ray image reader that follows the path of Fujifilm’s high precision FCR PROFECT CS for superb digital mammography. One feature that separates the FCR PROFECT series from other models is Fujifilm’s exclusive Dual-Side Reading Technology. The system also supports IP*, HR-BD* and ST-BD* for optimal mammography and pediatric/neonatal imaging in which higher detectability is demanded. Further, smooth and seamless workflow, as well as superior operability is maintained at all times with this equipment that is also an optimal backup for the FCR PROFECT CS.

High-Precision Images For Various Needs

Digital Mammographic Imaging
Image quality is consistently high with wide latitude and sharp definition, whether it is for digital mammogram or plain X-ray, and whether on print or on display. Optimized images are the result of up to 20-pixel/mm scanning pitch and combining image-processing algorithms.

Digital Pediatric Imaging
Incredibly high quality pediatric and neonatal imaging, as well as images of premature infants, are promised by using IP ST-BD. Image graininess is drastically reduced, for clearer and more detailed contrast. The system also delivers clearer images with less exposure dose, and therefore is gentler to the patient, even when the patient has to frequently take many X-rays.

Digital Mamography System
A Digital Mammography System is created by linking FCR PROFECT ONE and/or FCR PROFECT CS to a Mammography Workstation MV-SR 657 via the CR Console, to maximize the performance of viewing any area that may be associated with breast cancer.

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.

MFP Multi-frequency Processing
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 improved 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.

PEM Pattern Enhancement Processing for Mammography
As an optional software specifically developed for mammographic imaging, PEM enhancement processing improves the conspicuity of micro-califications.

Image Display and Processing
Operational convenience is given top priority to digital mammograms and plain X-rays that are consistently optimized in quality.

Dual-Side Reading Technology
Dual-Side IP (Imaging Plate) Reading technology allows the use of a thicker phosphor layer on the IP and transparent base, thereby increasing DQE (Detective Quantum Efficiency) by collecting the emissions from both sides of the IP with optimal, spatial frequency-dependent factors.
### FUJIFILM FCR PROFECT ONE Specifications

#### Standard Components:
- FCR PROFECT ONE Image Reader (Model: CR-IR 368)
- CR Console Plus
- Image Recorder (DRYPIX: 1000/3000/4000/7000)
- ID Card Writer
- FCR Data Management System

#### Other System Components (sold separately):
- FCR PROFECT ONE CR
- Image Processing System
- Image Viewers
- Paper Trimmers
- Paper Feed/Load Mechanism
- Power Supply System

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### IP Cassette with Imaging Plate

<table>
<thead>
<tr>
<th>IP Type</th>
<th>Dimensions (W x H)</th>
<th>Required Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 x 24 cm (ST-BD)</td>
<td>3540 x 1770 ppm</td>
<td>Approx. 60 sec.</td>
</tr>
<tr>
<td>18 x 24 cm (HR-BD)</td>
<td>2370 x 24 cm</td>
<td>Approx. 60 sec.</td>
</tr>
<tr>
<td>24 x 24 cm (ST-VI)</td>
<td>2364 x 1576 ppm</td>
<td>Approx. 65 sec.</td>
</tr>
<tr>
<td>18 x 24 cm (HR-V)</td>
<td>2370 x 24 cm</td>
<td>Approx. 65 sec.</td>
</tr>
<tr>
<td>30 x 30 cm (ST-BD)</td>
<td>3520 x 1760 ppm</td>
<td>Approx. 40 sec.</td>
</tr>
<tr>
<td>24 x 30 cm (ST-VI)</td>
<td>3520 x 1760 ppm</td>
<td>Approx. 40 sec.</td>
</tr>
</tbody>
</table>

**Number of Stackers:** 1

**Reading Gray Scale:** 12 bits

**Network:** 10 Base T/100 Base TX

**Dimensions:** (W x D x H): 805 x 740 x 1330 mm (31.8 x 29.2 x 52.7 in.)

**Weight:** 240 kg (529 lbs.)

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

**Environmental Conditions:**
- Operating Conditions:
  - Temperature: 15-30°C
  - Humidity: 40-60%RH (No dew condensation)
- Non-operating Conditions:
  - Temperature: 0-45°C
  - Humidity: 10-90%RH (No dew condensation)

**Number of IPs/HR:** Approx. 35 IPs/hr.

**Time to Print on DRYPIX 7000 (18 x 24 HR-BD):** Approx. 140 sec.

**Time to Print on DRYPIX 7000 (18 x 24 ST-BD):** Approx. 140 sec.

**Image Reading (Image output via CR Console):**
- Approx. 60 sec.
- Approx. 65 sec.
- Approx. 40 sec.
- Approx. 40 sec.

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### Dimensions

- **Unit Size (in):** 20 x 20 x 30
- **Unit Size (mm):** 508 x 508 x 762

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**FCR, the world’s first CR to receive PMA® approval from FDA® for mammography.**