**Fujifilm Digital Mammography System Specifications**

### Specifications and PC requirements are subject to change without notice. All technical matters or characteristics are the property of their respective owners.

#### FUJIFILM FCR PROFECT ONE
- **Image Platen**: 50.8 cm (20")
- **Imaging Plate**: Type DI-HL, DI-HLc, HR-BD, HR-BD 24 cm HR-BD)
- **Film Loading**: Up to 240 films per hour
- **Film Size**: 24 cm: 45 IP, 30 cm: 60 IP
- **Film Memory**: Standard: 512 MB (optional)
- **Density Adjustment**: Automatic density correction
- **Power Supply**: AC 200-240V (50-60Hz), Single phase 12A
- **Weight**: 203 kg (448 lbs.)

#### FUJIFILM FCR PROFECT CS
- **Image Platen**: 50.8 cm (20")
- **Imaging Plate**: Type DI-HL, DI-HLc, HR-BD, HR-BD 24 cm HR-BD)
- **Film Loading**: Up to 350 films per hour
- **Film Size**: 24 cm: 45 IP, 30 cm: 60 IP
- **Film Memory**: Standard: 512 MB (optional)
- **Density Adjustment**: Automatic density correction
- **Power Supply**: AC 200-240V (50-60Hz), Single phase 12A
- **Weight**: 203 kg (448 lbs.)

### Standard Components
- FUJIFILM FCR PROFECT ONE
  - FUJIFILM FCR PROFECT CS
- FUJIFILM FCR PROFECT ONE Image Reader (Model: CR-IR 368)
- FUJIFILM FCR PROFECT CS Image Reader (Model: CR-IR 31D)
- AC power cord
- CR Console Plus (sold separately)
- Optional software: DICOM network channel
- Optional software: DICOM MPR, DICOM CR Storage SDF
- Electronic shutter, Image composition, MFP, PEM, GPR and others.

### FUJIFILM Mammography Workstation
- **FUJIFILM Mammography Workstation**
- **FUJIFILM DIGITAL RADIOGRAPHY CR Console**
- **FUJIFILM FCR PROFECT ONE**
- **FUJIFILM FCR PROFECT CS**

### Fujifilm Digital Mammography System
Digital breast imaging with superior quality and reliability.

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

A D&B Environmental Assessment: Not Applicable

Ref. No. XB-566E (5K-06-10 F1126 REV1) Printed in Japan ©2006 FUJIFILM Corporation
Fujifilm’s Digital Mammography System: Your digital mammography solution

Fujifilm’s Digital Mammography System uses advanced technologies to enhance opportunities for early detection of breast cancer. The convenient, easy-to-use system expedites workflow with automatic image routing and background image processing featured in the FCR PROFECT CS and PROFECT ONE reader. Touch-panel accessibility and intuitive software enable the CR Console to facilitate data confirmation and networking versatility.

Printing of high-quality actual-size images is fast and accurate with DRYPIX 7000 and DRYPIX 4000 dry imagers. And linking the FCR reader via CR Console to the CAD Mammography Workstation greatly expands image viewing capacity. Fujifilm’s Digital Mammography System benefits operator and patient alike with more sensitive detection and superior diagnostic capability.

**FCR PROFECT ONE**
Compact design with 1-cassette stacker promising superb resolution for mammography, as well as pediatric and neonatal radiography. Delivering seamless and smooth workflow with superior operability.

**FCR PROFECT CS**
A next-generation FCR reader offering image quality optimized to satisfy the most demanding applications. Features like processing capacity sufficient to cover multiple mammography rooms and 4-cassette stacker increase workflow efficiency and enhance departmental productivity.

**CR Console**
A multi-function console that allows quality assurance activities, image processing, as well as all the complex procedures of digital X-ray imaging – patient ID, image preview, processing and printing, DICOM interface, etc. – at a single workstation.

**CAD (Computer-Aided Detection system)**
Mammography Workstation
Link the FCR reader via CR Console to Mammography Workstation MV-SR 657 for full viewing capability. After primary image QA at the CR Console, images are transferred to the viewing station, which automatically marks and magnifies any area that may be associated with breast cancer. User-friendly, software design and high-resolution display monitor in dual-portrait mode maximize all-round performance.

**DRYPIX 4000**
Ideal imager for medium-size hospitals, combining proven reliability and convenience with ability to print 50-micron resolution and 3.6 D-max, all in a compact body. Suitable for mobile imaging facilities.

**DRYPIX 7000**
The flagship of the DRYPIX series, DRYPIX 7000’s ability to print 50-micron resolution and automatic adjustment to 3.6 D-max produces image quality ideally suited for mammography printing.

**Reading Support Capabilities**
- **Screen A**: Micro-calciﬁcation and/or mass candidates have been enhanced through special image processing.
- **Screen B**: Markers are placed on the regions for highlighting.
- **Screen C**: Regions marked are magniﬁed for easier reference.
**Fujifilm Digital Mammography System Specifications**

<table>
<thead>
<tr>
<th>FUJIFILM FCR PROFEET ONE</th>
<th>FUJIFILM FCR PROFECT CS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Standard Components:</strong></td>
<td>• FCR PROFEET ONE Image Reader (Model: CR-IR 368)</td>
</tr>
<tr>
<td></td>
<td>• CR Power unit (sold separately)</td>
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<tr>
<td>Imaging Plate and Cassette:</td>
<td>Imaging Plate:</td>
</tr>
<tr>
<td></td>
<td>Type HR-BD for Dual-Side mammography imaging</td>
</tr>
<tr>
<td></td>
<td>Type DM with barcode on cassette: 18 x 24 cm, 24 x 30 cm</td>
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<tr>
<td>Processing Capacity:</td>
<td>Imaging Plate Cassette:</td>
</tr>
<tr>
<td></td>
<td>Full time processing capacity in high-pixel density.</td>
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<tr>
<td></td>
<td>Full time imaging output format: HR-BD 24 x 30 cm HR-BD 18 x 24 cm HR-BD 12 x 18 cm HR-BD 9 x 12 cm</td>
</tr>
<tr>
<td></td>
<td>Time to display on CR Console (18 x 24 cm HR-BD): 140 sec.</td>
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<tr>
<td></td>
<td>Time to print on FCR PROFECT 3600 (18 x 24 cm HR-BD): 140 sec.</td>
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<tr>
<td></td>
<td>Time to display on CR Console (18 x 24 cm HR-BD): 50 sec.</td>
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<tr>
<td><strong>Number of Stackers:</strong></td>
<td>4</td>
</tr>
<tr>
<td><strong>Reading Gray Scale:</strong></td>
<td>12 bits</td>
</tr>
<tr>
<td><strong>Dimensions (W x D x H):</strong></td>
<td>605 x 760 x 1490 mm (24” x 29” x 39 1/2”)</td>
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<tr>
<td><strong>Weight:</strong></td>
<td>240 kg (529 lbs.)</td>
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<tr>
<td><strong>Power Supply Conditions:</strong></td>
<td>AC 120-240V (10% 50-60Hz), Single phase 7A (max)</td>
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**FUJIFILM Dry Laser Imager DRYPIX 4000**

Applicable Films:
- Fuji Medical Dry Imaging Film DI-HL (blue base) / Fuji Medical Dry Imaging Film DI-HL (clear base) 35.6 x 43.2 cm (14” x 17”), 25.7 x 30.5 cm (10” x 12”), 20.3 x 25.4 cm (8” x 10”) 14 bits
- Fuji Medical Dry Imaging Film DI-HL (blue base) / Fuji Medical Dry Imaging Film DI-HL (clear base) 35.6 x 43.2 cm (14” x 17”), 25.7 x 30.5 cm (10” x 12”), 20.3 x 25.4 cm (8” x 10”) 12 bits

Film Trays:
- Up to 2

Film Loading:
- Daylight film loading

Processing Capacity:
- (Shots per hour / standard or high-resolution):
  - 110 (14” x 17”), 160 (25.7 x 30.5 cm):
  - 720 (180 (24 x 30 cm), 240 (25.7 x 30.4 cm), 220 (24 x 30.5 cm) 200 (25.7 x 28.3 cm) 160 (24 x 30.4 cm))

Gray Scale Resolution:
- 14 bits

Pixel Size:
- 100/50 microns is selectable for all sizes.

Input Channels:
- DICOM network channel

Image Memory:
- Standard 256MB (512MB optional)

Density Adjustment:
- Automatic density correction

Optional Sorter Bins:
- 4 bins

Dimensions (W x D x H):
- 600 x 585 x 150 mm (24” x 23” x 59”)

Weight:
- 130 kg (287 lbs.)

Power Supply:
- AC 120-240V (10% 50-60Hz), Single phase 6A

**FUJIFILM Dry Laser Imager DRYPIX 7000**

Applicable Films:
- Fuji Medical Dry Imaging Film DI-HL (blue base) / Fuji Medical Dry Imaging Film DI-HL (clear base) 35.6 x 43.2 cm (14” x 17”), 25.7 x 30.5 cm (10” x 12”), 20.3 x 25.4 cm (8” x 10”) 14 bits
- Fuji Medical Dry Imaging Film DI-HL (blue base) / Fuji Medical Dry Imaging Film DI-HL (clear base) 35.6 x 43.2 cm (14” x 17”), 25.7 x 30.5 cm (10” x 12”), 20.3 x 25.4 cm (8” x 10”) 12 bits

Film Trays:
- Up to 3

Film Loading:
- Daylight film loading

Processing Capacity:
- (Shots per hour / standard or high-resolution):
  - 110 (14” x 17”), 160 (25.7 x 30.5 cm):
  - 655 (180 (24 x 30 cm), 240 (25.7 x 30.4 cm), 220 (24 x 30.5 cm) 200 (25.7 x 28.3 cm) 160 (24 x 30.4 cm))

Gray Scale Resolution:
- 14 bits

Pixel Size:
- 100/50 microns is selectable for all sizes.

Input Channels:
- DICOM network channel

Image Memory:
- Standard 256MB (512MB optional)

Density Adjustment:
- Automatic density correction

Optional Sorter Bins:
- 10 bins

Dimensions (W x D x H):
- 600 x 585 x 170 mm (24” x 23” x 67”)

Weight:
- 180 kg (396 lbs.)

Power Supply:
- AC 220-240V (50-60Hz), Single phase 12A

**FUJIFILM COMPUTED RADIOGRAPHY CR Console**

Quality assurance and patient identification verification for FCR.

- Optional software: DICOM VIEWER, DICOM MP, DICOM CR Storage SOP, DICOM Storage Gateway, DICOM JS, DICOM Print, Electronic shutter, Image composition, MFP, PEM, GPR and others.

**FUJIFILM Mammography Workstation**

Mammography viewing station for FCR.

- High resolution monitor is recommended.
- Single or dual monitor setup is available.
- Optional software: CAD, WIP, PEM, DICOM Print, DICOM CR Storage SOP

1. With Fujifilm Mammography CAD algorithm aims to identify abnormal or malignant candidates, there exist cases in which Fujifilm Mammography CAD may fail to identify abnormal or malignant candidates or mistakenly identify areas which are normal.

2. PEM: Pattern Enhancement processing for Mammography is a special image processing and threshold image and application for enhancing the visibility of mammographic abnormalities.

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FUJIFILM Corporation

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Digital breast imaging with superior quality and reliability.

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

A FDA 510(k) clearance, EC, and TÜV certified system.