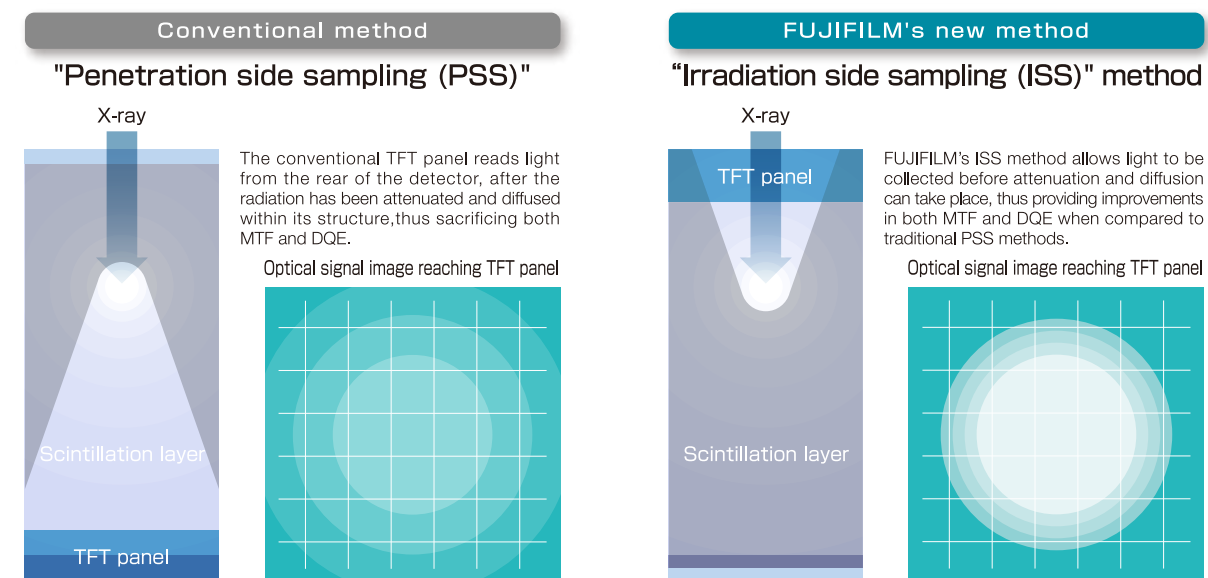


Lightweight, Cassette sized, DR detector



The FDR D-EVO weighs in at only 2.8Kg and is the same size as a standard 35x43cm cassette (384mm x 460mm x 14mm). The FDR D-EVO is capable of producing images in minimum 3 sec. and has an inter-exposure interval of 9 sec or less. As the FDR D-EVO is the same size as a CR cassette, and can be handled in a similar way, it is possible to use it in most existing table and upright buckies.

FUJIFILM's new FPD featuring our proprietary "ISS" technology



The "ISS method" provides a high sharpness image even at low doses

The major benefit of FUJIFILM's new proprietary "ISS" technology comes from its placing of the TFT sensor on the front side (irradiation side) of the scintillation layer as opposed to its conventional position on the rear of the detector. By using this new method scattering and attenuation of X-rays are both greatly reduced thus improving MTF. Optimisation of the scintillation layer, and thus greatly improved DQE, is achieved by FUJIFILM's patented precision coating technology developed from its long heritage in the manufacture of Imaging Plates.

FDR D-EVO Specifications

Standard components and model name: Digital Radiography with flat panel detector DR-ID 600

Product name: FDR D-EVO (MODEL: DR-ID 600)
 <Components>
 Flat panel sensor: DR-ID 600SE
 Power supply unit: DR-ID 600MP
 Control cabinet: DR-ID 600MC
 Image processing unit: DR-ID 300CL

Processing capacity:

- (1) **Start-up speed**
 <In normal operation>
 6 min. or less: when connecting only one flat panel sensor
 8 min. or less: when connecting two flat panel sensors
 <In emergency mode>
 3 min. or less: when connecting only one flat panel sensor
 3.5 min. or less: when connecting two flat panel sensors
- (2) **Image display speed**
 Preview display speed minimum 3 sec.
 (After exposure: Depends on measurement environment at the lab)
 Fully processed image available in less than 8 sec.
- (3) **Exposure interval**
 ex) •PA chest (120kV 4mAs - approx. 20mR) — 9 sec. or less
 •Front cervical (approx. 56mR) — 9 sec. or less
- (4) **Film output time: Approx. 80 sec. (Reference value)**
 with DRYPIX7000 and console advance

Exposure size:

2304 × 2880 pixels

Image reading:

- Reading grayscale level: 16 bit/pixel
- Pixel size: 150µm

X-ray detector: Indirect-conversion system flat panel X-ray detector DR-ID 600SE

- Maximum film size: 2304 × 2880 pixels
- Scintillator: GOS (Gd₂O₂S)

Power supply conditions: FDR D-EVO

Rating: Single phase 50/60Hz
 AC100V-AC240V (+/-10%)
 1.0kVA or less
 * Refer to "Console Advance Product Specifications" for the power supply condition of Console Advance.

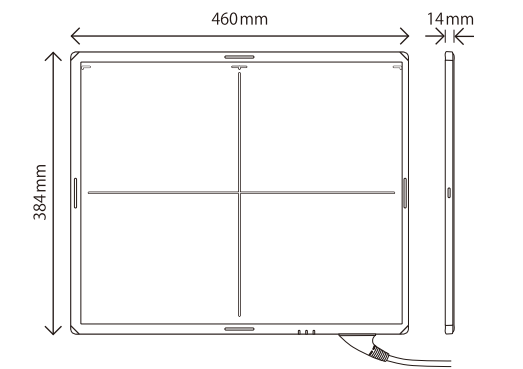
Power consumption:

- Operating: 80W (with only one of the flat panel sensors operating)
- Standby: 60W
- Applying current: 15 W (at only power supply unit is ON)
- * When two flat panel sensors are connecting.

Environmental conditions:

- Operation conditions
 Temperature: 15°C to 30°C
 Humidity: 15% to 80% RH (Non condensing)
 Atmospheric pressure: 700hpa to 1,060hpa Temperature and Humidity conditions on operating Operating conditions
- Not operating condition
 Temperature: 5°C to 35°C
 Humidity: 10 to 80%RH (Non condensing)
 Atmospheric pressure: 700 to 1,060hpa

Dimensions and weight



Width (mm)	Depth (mm)	Height (mm)	Weight (kg)
460	384	14	Approx. 2.8kg*

* Weight without cable

Optional parts

Remote switch



Standard components



FUJIFILM

FDR D-EVO NEW

DR Cassette system for general radiography



External appearance and specifications are subject to change without notice.
 All brand names or trademarks are the property of their respective owners.
 All products require the regulatory approval of the importing country.
 For details on their availability, contact our local representative.
 Please contact FUJIFILM's authorized distributor for FDR D-EVO X-ray system.



FUJIFILM

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

Manufacturer: FUJIFILM Corporation,
 26-30, NISHIAZABU 2-CHOME, MINATO-KU, TOKYO 106-8620, JAPAN

Ref.No. XB-974ER (SK-11-01-F1099) Printed in Japan ©2010 FUJIFILM Corporation



"DR EVOLution is here"

Higher-quality FPD imaging.

By combining FUJIFILM's proven image processing technology with the company's new proprietary "ISS" technology the FDR D-EVO offers extremely high quality images for a FPD system.



Introducing an intelligent alternative to convert your existing analogue X-ray room to digital, with inbuilt speed and efficiency, and the additional flexibility which comes from being able to use the D-EVO both in and out of the bucky.

Single Panel Solution

As the FDR D-EVO is the same size as a conventional cassette it can be used in most existing table and upright buckies. The FDR D-EVO weighs just 2.8Kg so it is nearly as light as a CR cassette (2.8Kg v 2.1Kg), which makes it very user friendly.



Supports all out of bucky exposures



Skyline Knee



Wheelchair exposure



Trolley Exposure



Abdomen lateral decubitus



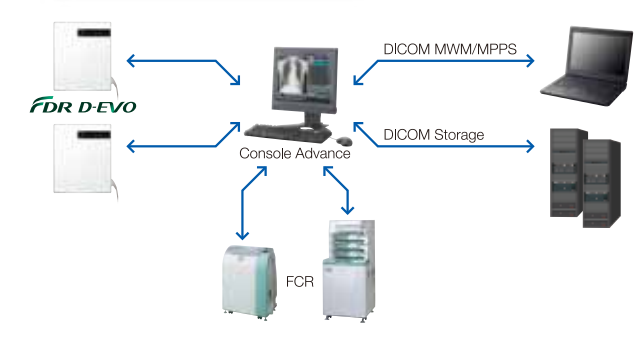
Knee joint lateral



Elbow joint lateral

Console Advance

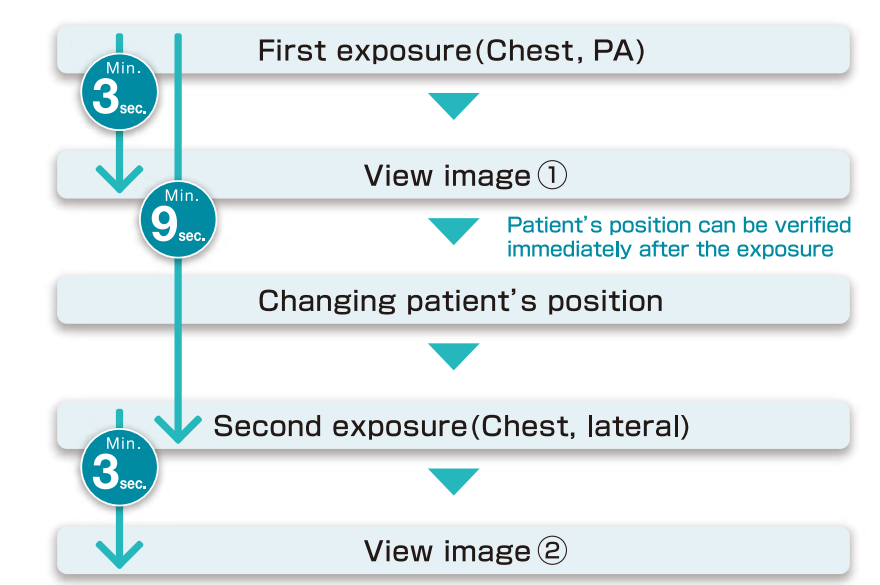
Using the Console Advance to control both FDR D-EVO and FCR allows for a consistent user interface.



- Both FDR D-EVO and FCR reader can be connected simultaneously thus reducing space requirements in the X-ray room.
- Workflow is streamlined by removing the need for duplication of data entry.
- Utilising a common set of processing algorithms consistent results are produced from both FCR and FDR D-EVO allowing for easier image management.

Unparalleled speed – improved workflow

Scenario : 2 consecutive exposures performed by one person



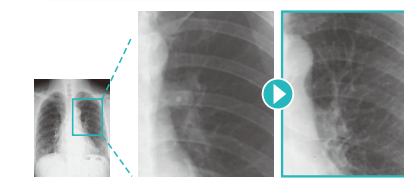
Additional steps required for changing cassettes is unnecessary thus reducing both workload and the time required.

Total time: around **12 sec.**



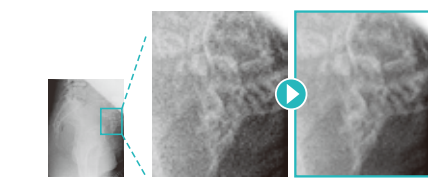
Image Intelligence

The result of FUJIFILM's long heritage of achievements in the medical imaging field, Image Intelligence™ allows us to produce high-quality images for better diagnosis.



MFP Multi-frequency Processing

Improves visibility of both dense and peripheral tissues by simultaneously applying edge enhancement processing to small to large structures within an image.
* Optional software



FNC Flexible Noise Control

Provides a "non-grainy" image by isolating and suppressing noise.



GPR Grid Pattern Removal

Removes grid patterns and prevents Moire effect in the image making diagnosis easier.

