Fujifilm developed a new technology “SmartSwitch” which allows automatic X-ray detection. With “SmartSwitch,” FDR D-EVO no longer requires connection between the X-ray generator and DR power supply unit to automatically detect X-rays and start image creation.

This cassette is designed to be tough offering a uniformly distributed load capacity of up to 310 kg. Even on any point of the cassette, the load can be up to 160 kg. Such robustness enables even a heavy part of the body to be placed on the cassette for examination.

A special energy-saving feature allows up to 7.5 hours of use from a fully charged battery. More than any other wireless flat panel detector available today. The battery type is the same as our standard full size FDR D-EVO models and is very easy to change.

A perfect fit for orthopedic to neonatal exams.

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The novel type CsI:TI FPD, combining an adhesively coupled structure with ISS method, exhibits significant improvement in image quality than conventional CsI:TI FPDs and provides a way to reduce X-ray exposure to the patient.

Fujifilm’s new Flat Panel Detector capitalizes on the high X-ray absorption characteristics of CsI and the ability of its needle crystals to deliver high image sharpness. In addition, application of the company’s proprietary ISS technology has allowed even greater improvements in image quality, and lower patient dose, when compared to conventional CsI detectors.

"ISS technology" sees the TFT sensor placed in front of the scintillation layer instead of its traditional position behind it. This technology permits a higher resolution image and reduced doses.

The 24×30 FDR D-EVO plus is uniquely designed to achieve higher DQE performance characteristics to consistently produce excellent detail with lower noise at very low doses.

Fujifilm’s proprietary technologies applied to realize excellent image quality with low X-ray doses

Small and lightweight, a perfect fit for orthopedic to neonatal exams

The 24×30cm cassette is just the right size for small patients and anatomy such as extremities, shoulders, c-spines and more. Its size is a perfect fit for the NICU and neonatal isolette trays and its light weight makes it a must have for patients to safely hold for sunrise knee exams.

24×30cm Small size

Introducing a new cassette to the Fujifilm’s lineup — a compact size, big on image quality and dose efficiency

CONSOLE ADVANCE

In addition to the familiar basic operation, new gradation design monitor and the intuitive arrangement of operation buttons make it possible to check and confirm information quickly and accurately. The image display area on the display monitor is larger, and enables easy checking of diagnostic images. An optional touch panel monitor ensures quick and accurate operation.

Dynamic Visualization

To take full advantage of DR’s dynamic range capabilities, Fujifilm has created a new full spectrum optimization with dynamic-range control processing. This processing fully utilizes all of the exposure data captured and optimizes its image recognition output.

Flow is streamlined by removing the need for duplication of data entry.

Utilizing a common set of processing algorithms, consistent results are produced from both FCR and FDR D-EVO allowing for easier image management.

Single user interface with other FUJIFILM DR and CR devices

Fujifilm’s new Flat Panel Detector capitalizes on the high X-ray absorption characteristics of CsI and the ability of its needle crystals to deliver high image sharpness. In addition, application of the company’s proprietary ISS technology has allowed even greater improvements in image quality, and lower patient dose, when compared to conventional CsI detectors.

If your focus is in reducing dose, the benefits of CsI with ISS are significant

The novel type CsI:TI FPD, combining an adhesively coupled structure with ISS method, exhibits significant improvement in image quality than conventional CsI:TI FPDs and provides a way to reduce X-ray exposure to the patient.

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Quick Preview

Images preview in as few as 1 second after an exposure, and cycle times for sequential exposures are as little as 8 seconds. So patients experience faster exams and treatment and technologists can achieve faster, more efficient workflow.

“SmartSwitch” Technology

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A special energy-saving feature allows up to 7.5 hours of use from a fully charged battery. More than any other wireless flat panel detector available today. The battery type is the same as our standard full size FDR D-EVO models and is very easy to change.

FDR D-EVO plus C24i Specifications

<table>
<thead>
<tr>
<th>Model name</th>
<th>Flat Panel Detector (DR-ID 613SE) for FDR D-EVO System (DR-ID 600)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Cassette size detector with ISS (Irradiation Side Sampling system)</td>
</tr>
<tr>
<td>Scintillator</td>
<td>CsI (Cesium iodide)</td>
</tr>
<tr>
<td>Detector external size</td>
<td>328 x 208 x 15 mm (Approx.) [13&quot; x 11&quot; x 0.6&quot;]</td>
</tr>
<tr>
<td>Purpose</td>
<td>General Radiography</td>
</tr>
<tr>
<td>Weight</td>
<td>1.9kg (4lbs.) (including battery)</td>
</tr>
<tr>
<td>Pixel pitch</td>
<td>0.15 mm</td>
</tr>
<tr>
<td>Pixels</td>
<td>1920 x 1536 pixels</td>
</tr>
<tr>
<td>Wireless standard</td>
<td>IEEE 802.11n, 5.2GHz</td>
</tr>
<tr>
<td>Image preview</td>
<td>Approx. 1 sec</td>
</tr>
<tr>
<td>Cycle time</td>
<td>Approx. 7sec (wireless/wired mode)</td>
</tr>
<tr>
<td>Battery recharging time</td>
<td>Approx. 3 hours</td>
</tr>
<tr>
<td>Battery performance</td>
<td>Standby: Approx. 4 hours</td>
</tr>
<tr>
<td>Optional parts</td>
<td>DR613SE Battery changer</td>
</tr>
</tbody>
</table>

Number of exposures*: Approx. 700 exposures (8 12 sec cycle)

* Under conditions for the FDR equipment already installed.

A perfect fit for orthopedic to neonatal exams.