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.

FDR D-EVO plus C43i Specifications

<table>
<thead>
<tr>
<th>Model name</th>
<th>Flat Panel Detector (DR-ID 612SE) 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>460 x 460 x 15mm (Approx.) [18” x 18” x 0.6”]</td>
</tr>
<tr>
<td>Weight</td>
<td>4.2kg [9lbs.] (including battery)</td>
</tr>
<tr>
<td>Pixel pitch</td>
<td>0.15mm</td>
</tr>
<tr>
<td>Pixels</td>
<td>2016 x 2016 pixels</td>
</tr>
<tr>
<td>Wireless standard</td>
<td>IEEE 802.11a, 5 GHz</td>
</tr>
<tr>
<td>Image preview</td>
<td>Less than 2 sec</td>
</tr>
<tr>
<td>Cycle time</td>
<td>Less than 5 sec (wired mode) / Less than 12 sec (wireless mode)</td>
</tr>
<tr>
<td>Battery recharging time</td>
<td>Less than 9 sec (wired mode) / Less than 12 sec (wireless mode)</td>
</tr>
<tr>
<td>Battery performance</td>
<td>Standby: Approx. 30 min</td>
</tr>
<tr>
<td>Number of exposures*</td>
<td>Approx. 500 exposures (at 12 sec cycle)</td>
</tr>
</tbody>
</table>

* When it’s connected to the X-ray equipment directly.

Optional parts

- Battery charger
- Battery
- Handle

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.
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.

Conventional method
- X-ray
- CsI scintillator
- Glass substrate
- Photograph array

Fujifilm’s new method
- X-ray
- CsI scintillator
- Glass substrate
- Photograph array

No need to switch the orientation of the cassette
This square shaped cassette does not need to be switched horizontally or vertically when incorporated in an upright/table X-ray system. It frees users from bothersome procedures during an examination, realizing a comfortable workflow.

Compatible with existing exposure stand
Since this DR cassette is designed as thin as a regular CR cassette fitting the existing stand/table, it enables the DR systems to be introduced at reduced cost.

Quick Preview
Images preview in less than 2 seconds after an exposure, and cycle times for sequential exposures are less than 9 seconds. So patients experience faster exams and treatment and technologists can achieve faster, more efficient workflow.

Automatic image trimming
X-ray field recognition for an image and image trimming to an appropriate size are performed automatically. With easier editing procedures, images in sizes most suitable for diagnosis are provided.
Wireless Technology

Cassette DR Solution

FDR D-EVO plus C43i
Versatile square shaped cassette offering superior image quality with low dosage

Dynamic Visualization

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.

**Technique select buttons**
Connected modality buttons are displayed on the monitor, enabling the radiographer to easily confirm the modality selected. By simply selecting a button, the modality can be changed quickly and accurately.

**Status display for D-EVO**
The icons for the D-EVO are a new feature. When D-EVO is used it is possible to confirm its status; charging level, WiFi connection etc.

**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.

**Console Advance**
Console Advance controls both the FDR D-EVO series and FCR, providing a consistent user interface.

- Both FDR D-EVO and FCR readers 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.
- 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

**FDR D-EVO plus C43i Specifications**

<table>
<thead>
<tr>
<th>Model name</th>
<th>Flat Panel Detector (DR-ID 4126) for FDR D-EVO System (DR-ID 460)</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>460 x 460 x 15mm (approx.)</td>
</tr>
<tr>
<td>Weight</td>
<td>4.2kg (9lbs.) (including battery)</td>
</tr>
<tr>
<td>Pixel pitch</td>
<td>0.15mm</td>
</tr>
<tr>
<td>Pixels</td>
<td>2161 x 2161 pixels</td>
</tr>
<tr>
<td>Wireless standard</td>
<td>IEEE 802.11n, 5.2GHz</td>
</tr>
<tr>
<td>Image preview</td>
<td>Less than 2sec</td>
</tr>
<tr>
<td>Cycle time</td>
<td>Less than 5sec (wireless mode) / Less than 12sec (wireless mode)</td>
</tr>
<tr>
<td>Battery recharging time</td>
<td>Approx. 3h 30min</td>
</tr>
<tr>
<td>Battery performance</td>
<td>Standby: Approx. 3h 30min / Number of exposures*: Approx. 500 exposures (at 12 sec cycles)</td>
</tr>
</tbody>
</table>

*When it's connected to the X-ray equipment directly.
**Optional parts**

- Cassette size detector with ISS (Irradiation Side sampling system)
- CsI (Cesium iodide)
- Weight: 4.2kg (9lbs.) (including battery)
- Pixel pitch: 0.15mm
- Pixels: 2161 x 2161 pixels
- Wireless standard: IEEE 802.11n, 5.2GHz
- Image preview: Less than 2sec
- Cycle time: Less than 5sec (wireless mode) / Less than 12sec (wireless mode)
- Battery recharging time: Approx. 3h 30min
- Battery performance: Standby: Approx. 3h 30min / Number of exposures*: Approx. 500 exposures (at 12 sec cycles)

*When it's connected to the X-ray equipment directly.
**Optional parts**
- Cassette Advance
- FCR Reader
- Console Advance
- DC/DC Converter
- FCR Reader DICOM MWP/MPP
- DR-ID 612SE
- Optional parts

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