

# **FDR D-EVO plus C35i**

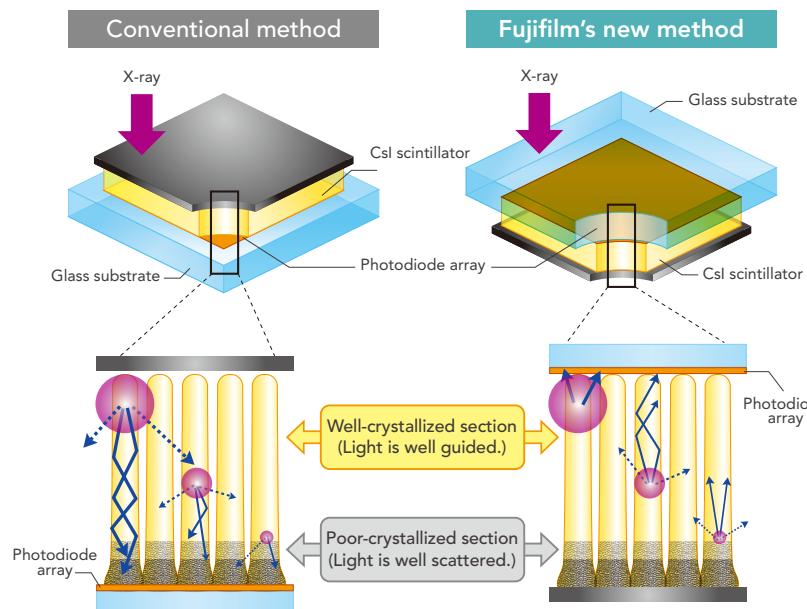
DR cassette which offers high resolution images while using low dosage exposure



A novel cassette which allows more precise examinations with greatly reduced burden on patients



## New Flat Panel Detector



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.

An outstanding technology achieves sharper images and more efficient X-ray conversion

**CsI scintillator**  
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**  
"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	New method
X-ray	X-ray
Scintillation layer	TFT panel
Optical signal image reaching TFT panel	Optical signal image reaching TFT panel



Maximized operability with wireless mode — suitable for a wide range of exposure situations

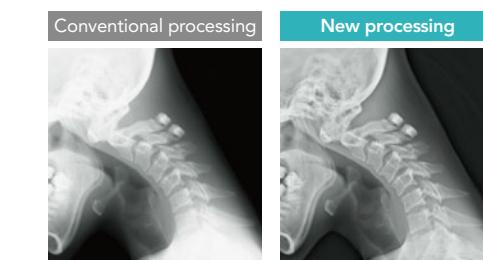
The wireless mode frees X-ray procedures from bothersome cabling, resulting in greater operability. When the battery level becomes low during the procedures, the battery can be charged easily by attaching the cable. This cassette caters to various exposure situations.

## Enhanced image processing

### Dynamic Visualization

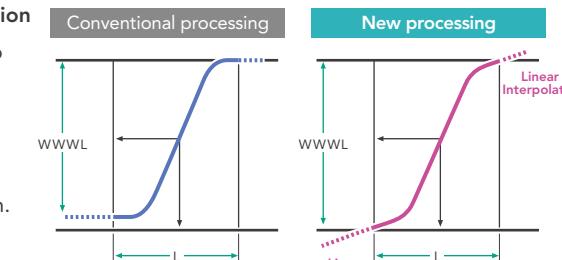
- New Dynamic Range Control

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.



- New Gradation Display Optimization

This new processing is designed to maintain the highest contrast possible for the region of interest achieving even wider latitudes than traditional processing, providing easy-to-interpret and rich gradation.



- New Enhanced Menu Parameters

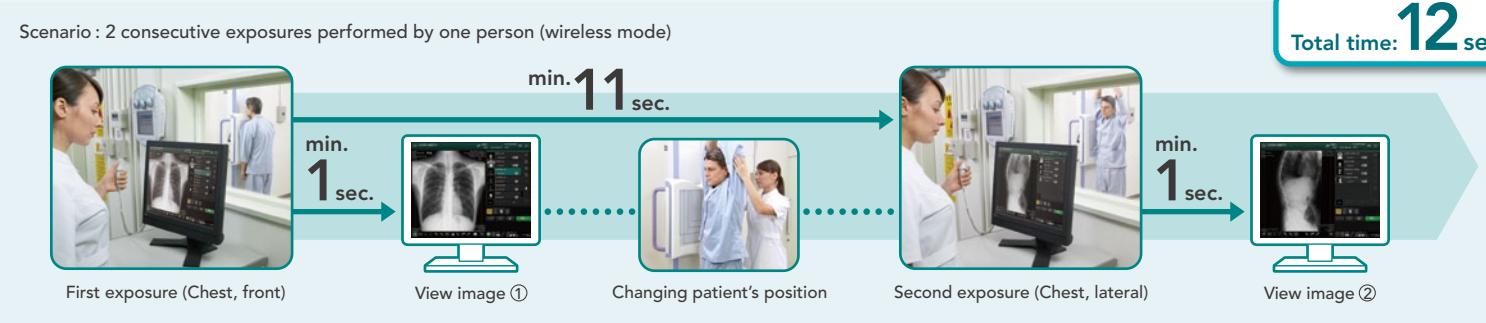
We developed a brand new set of automated menu parameters specifically designed to improve sharpness, contrast, and latitude for every anatomic menu. These new parameters enable the best possible first up display for every exam.

## Quick Preview

Rapid display of images and automatic trimming ensure smooth examinations

### Speedy display of images greatly shortening examination time

It just takes one second to display the preview image after an exposure and the inter-exposure time in a minimum of 11 seconds. Quick re-exposure is also possible, with no need to have patients wait. High throughput is realized, reducing the examination time significantly.



### Automatic image trimming to the appropriate size

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.



# CONSOLE ADVANCE

New CONSOLE ADVANCE with enhanced functions  
for the FDR D-EVO series

The sophisticated design of the GUI contributes to the safe, comfortable and efficient performance of all radiographic examinations



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

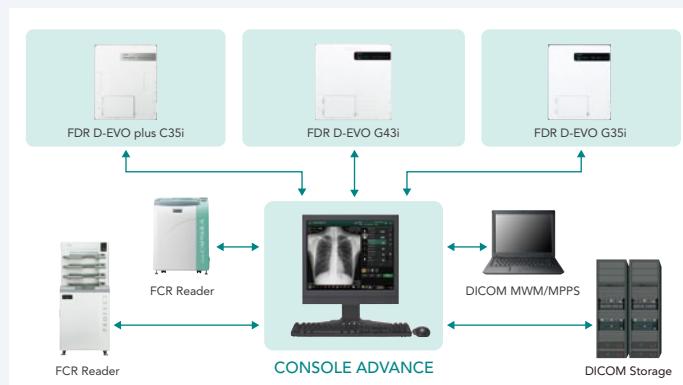
Connected modalities are displayed using color coded buttons, enabling the radiographer to easily confirm the modality selected. By simply selecting a button, the modality can be changed quickly and accurately.



## 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; charge level, WiFi connection etc.

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.

## FDR D-EVO plus C35i Specifications

Model name	Flat Panel Detector (DR-ID 611SE) for FDR D-EVO system (DR-ID 600)
Type	Cassette size detector with ISS (Irradiation Side Sampling system)
Scintillator	CsI (Cesium iodide)
Detector external size	460 × 384 × 15mm (Approx.) [18" × 15" × 0.6"]
Weight	3.6kg [8lbs.] (including battery)
Pixel pitch	0.15mm
Pixels	2880 × 2304 pixels
Wireless standard	IEEE 802.11n, 5.2GHz
Image preview	Approx. 1sec
Cycle time	Approx. 8sec (wired mode) / Approx. 11sec (wireless mode)
Battery recharging time	Approx. 3 hours
Battery performance	Standby: Approx. 3h 30min Number of exposures*: Approx. 500 exposures (@ 12sec cycle)

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

## Standard configuration



## Optional parts



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.



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