

FDR D-EVO G43i

Square shaped cassette enabling enhanced operability and multipurpose use



The world's first 43 × 43 cm DR cassette achieved in pursuit of enhanced operability



This square shaped cassette, which does not require horizontal/vertical switching, greatly streamlines the examination workflow. It can also be used in a table top position in the wireless mode, enabling exposures in wider situations.

- Square shaped
- Wireless
- Enhanced image processing
- Fast imaging

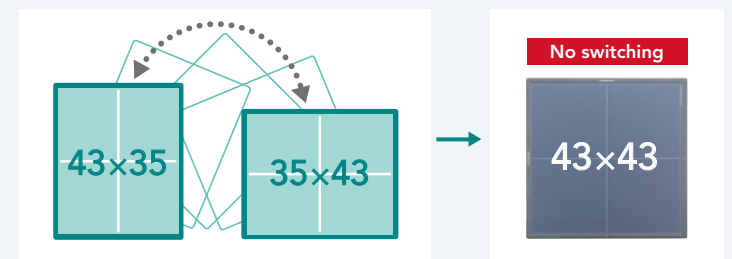
Square shaped

This square shaped cassette requires no horizontal/vertical switching



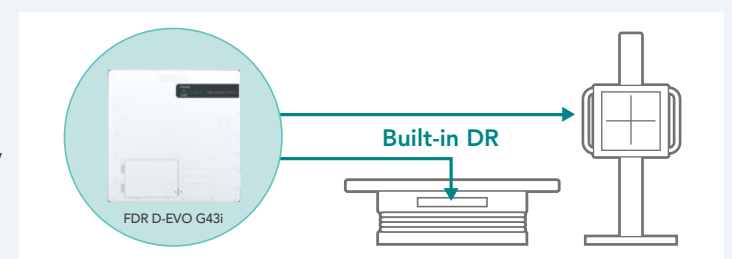
No need to switch the orientation of the cassette

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.



43 × 43 cm

First in the world!

Wireless

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

Two selectable modes according to the examination environment

Wireless mode



Wireless mode enables free positioning with easy handling. When used as a wireless portable type, table-top exposures are easily performed, allowing exposure situations to be expanded.

Wired mode



With the cable attached, the battery in the cassette can be charged. X-ray procedures run smoothly without any worry about the state of the battery.

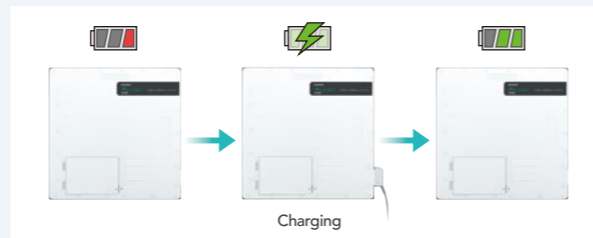
- Easy and rapid switching between modes is available as required, dependent on examination type. The mode is automatically switched in only 1 sec. by detaching or attaching the cable.

Battery charging methods suitable for various environments



Wireless mode

By charging the extra battery pack with the designated charger, the battery can be quickly replaced whenever needed, allowing the X-ray procedures to be performed without interruption. The battery lasts about 3.5 hours. The charger is common in the FDR D-EVO series.



Wired mode

With the SE cable attached, the battery used in the cassette can be charged. Even if the battery level becomes low in the wireless mode, X-ray procedures can be carried out without interruption by attaching the cable. The SE cable is common in the FDR D-EVO series.

Enhanced image processing

Fujifilm's proprietary technology guarantees high image quality

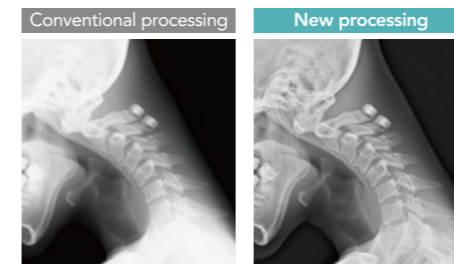
Dynamic Visualization

Constantly endeavoring to provide the highest image quality, Fujifilm offers a proprietary technology to produce the optimal image for each examination. With the enhanced visibility achieved by this technology, information in greater detail can be obtained from images.



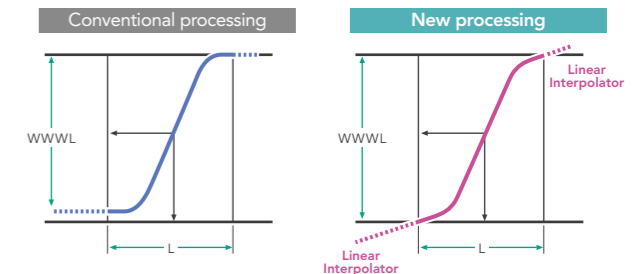
• New Dynamic Range Control

This new approach is designed 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. Enhancing visualization of the entire image within the exposure field, even significantly clarifying overexposed and underexposed areas. The effect can be adapted to CR images as well. Allowing clearer detail images regardless of a type of detector.



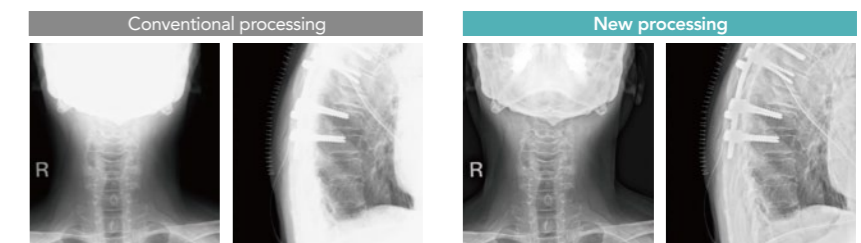
• New Gradation Display Optimization

This new processing is designed to maintain the highest contrast possible for the region of interest achieving even wider latitudes than traditional processing, by combining with a new and more enhanced gradation display look up table (LUT) which intelligently optimizes the monitor's display characteristics. This innovative image display optimization has been built to enhance diagnostic viewing with just about any display on the market. Providing easy-to-interpret and rich gradation.



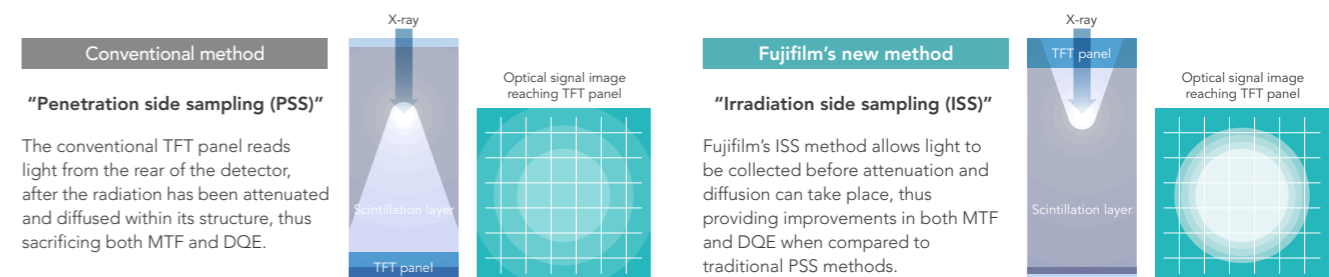
• New Enhanced Menu Parameters

Compared to film, display monitors have narrower dynamic range and sharpness. Through an in-depth analysis of conventional image processing 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.



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.

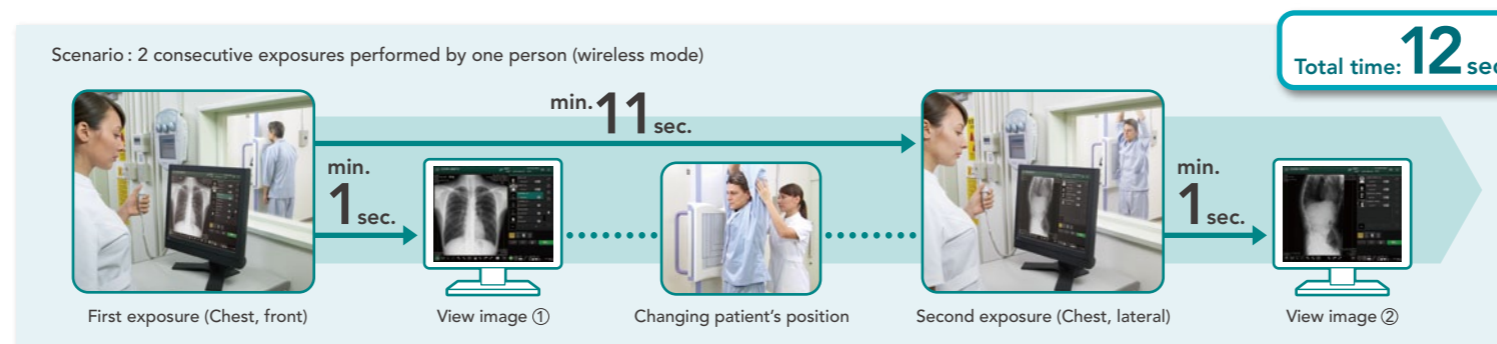


Fast imaging

Rapid display of images and automatic trimming ensure smooth examinations

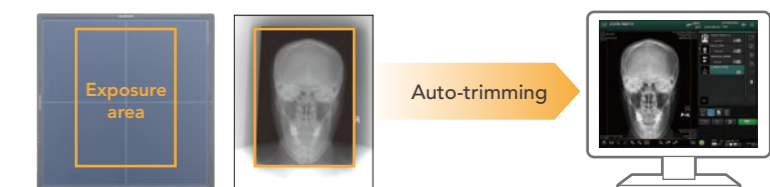
Speedy display of images greatly shortening examination time

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.



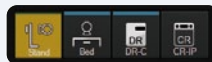
CONSOLE ADVANCE

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

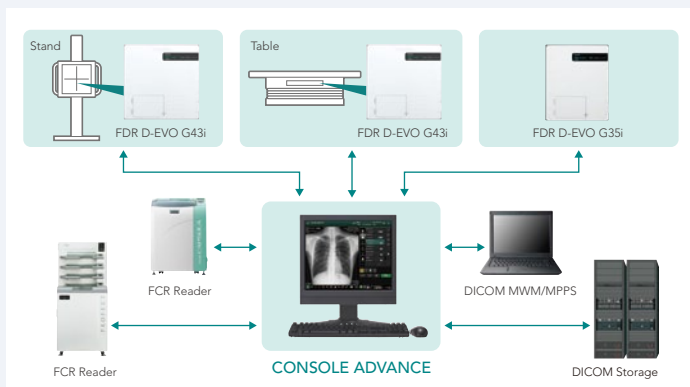
Connected modalities are displayed using color coded buttons, enabling the radiographer to easily confirm the modality selected. By simply selecting a button, the modality can be changed quickly and accurately.



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 G43i Specifications

Type	Cassette size detector with ISS (Irradiation Side Sampling system)
Scintillator	GOS (Gadolinium oxysulfide)
Detector external size	460 × 460 × 15 mm (Approx.) [18" × 18" × 0.6"]
Weight	4.0kg [9lbs.] (including battery)
Pixel pitch	0.15mm
Pixels	2816 × 2816 pixels
Wireless standard	IEEE 802.11n, 5.2GHz
Image preview	Approx. 1sec
Cycle time	Approx. 8sec (wired mode) / Approx. 11 sec (wireless mode)
Battery recharging time	Approx. 3hours
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.

