

FDR D-EVO G35s

Indirect conversion FPD system for general X-ray exposure





«Lightweight 3.2kg DR cassette, compatible with all X-ray systems»

Enhanced image processing

Fujifilm's proprietary technology guarantees high image quality

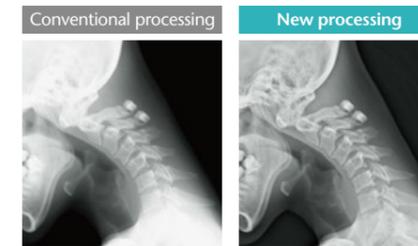
Dynamic Visualization

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.



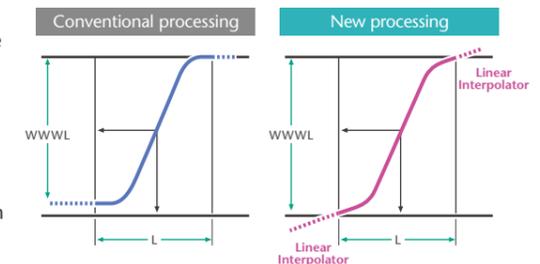
• New Dynamic Range Control

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.

The world's First "SmartSwitch" Technology

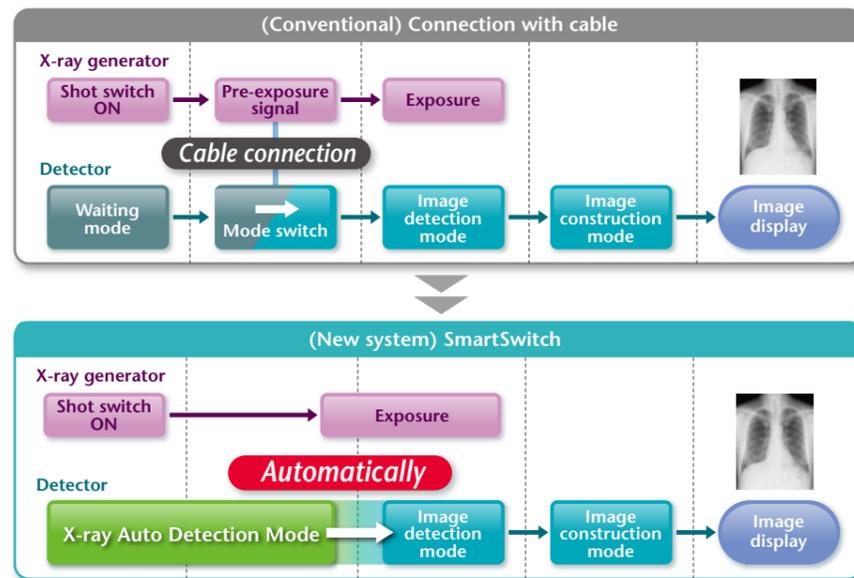
Bringing smart DR to the examination room

SmartSwitch

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.

• Mechanism of "SmartSwitch"

In X-ray Auto Detection Mode, DR cassettes detect X-rays at the time of exposure and automatically enter the image detection mode and then the image construction mode.

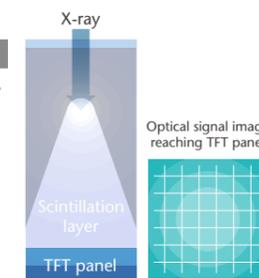


ISS technology

"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.

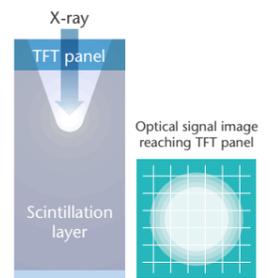
Conventional method "Penetration side sampling (PSS)"

The conventional TFT panel reads light from the rear of the detector, after the radiation has been attenuated and diffused within its structure, thus sacrificing both MTF and DQE.



Fujifilm's new method "Irradiation side sampling (ISS)"

Fujifilm's ISS method allows light to be collected before attenuation and diffusion can take place, thus providing improvements in both MTF and DQE when compared to traditional PSS methods.

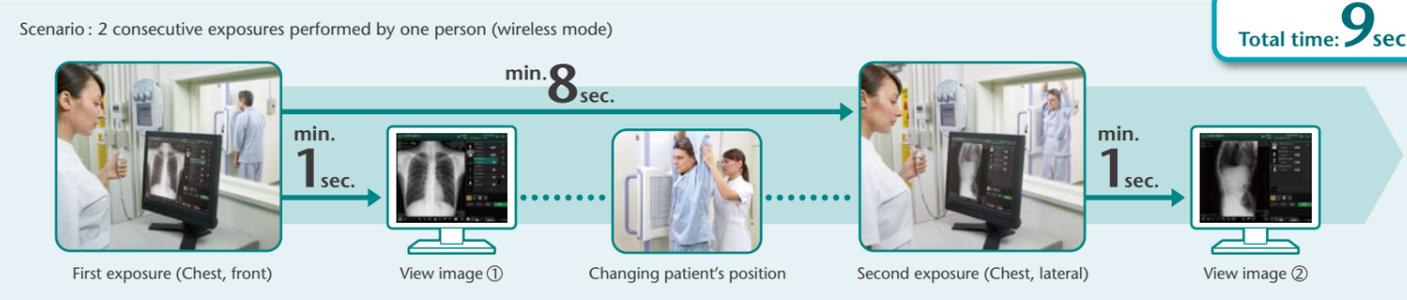


Quick Preview

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 Approx. 8 sec. Quick re-exposure is also possible, with no need to have patients wait. High throughput is realized, reducing the examination time significantly.

Rapid display of images and automatic trimming ensure smooth examinations



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



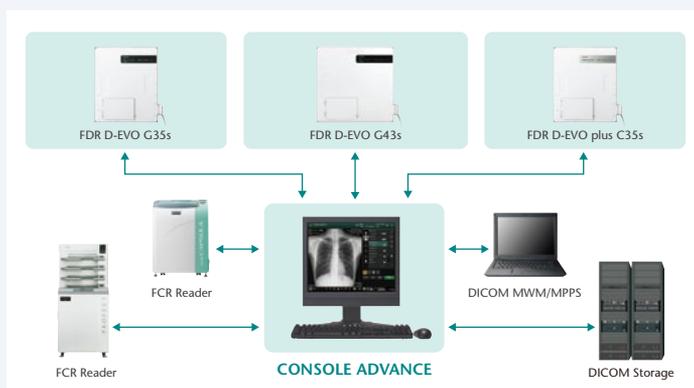
In addition to the familiar basic operation, new gradation design monitor and the intuitive arrangement of operation buttons make it possible to check and confirm information quickly and accurately. The image display area on the display monitor is larger, and enables easy checking of diagnostic images.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

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 G35s Specifications

Model name	Flat Panel Detector (DR-ID 601SE) for FDR D-EVO system (DR-ID 600)
Type	Cassette size detector with ISS (Irradiation Side Sampling system)
Scintillator	GOS (Gadolinium oxysulfide)
Detector external size	460 × 384 × 15 mm (Approx.) [18" × 15" × 0.6"]
Weight	3.2 kg [7 lbs.]
Pixel pitch	0.15 mm
Pixels	2880 × 2304 pixels
Image preview	Approx. 1 sec
Cycle time	Approx. 8 sec

Standard configuration



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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