System configuration

Specification

	D-EVO GL 
Model name	**Flat Panel Detector (DR-ID 1305SE) for FDR D-EVO GL System (DR-ID 1300)**
Scintillator	GOS (Gadolinium oxysulfide)
Detector external size	1339.8 × 567.4 × 50 mm [52.7" × 22.3" × 2.0"]
Weight	Approx. 19.5kg [43.0 lbs.]
Pixel pitch	0.15mm
Pixels	8228 × 2832 pixels
Image preview	49 × 17 inch size reading : 9 to 20s sec 17 × 17 inch size reading (single detector segment) : 6s sec
Cycle time	49 × 17 inch size reading : 26s sec 17 × 17 inch size reading (single detector segment) : 10s sec

FDR D-EVO GL and FDR D-EVO II (Model: DR-ID 1200) can be operated using the same console.

FDR D-EVO II Series

CsI detectors


FDR D-EVO II C35


FDR D-EVO II C43


FDR D-EVO II C24

GOS detectors


FDR D-EVO II G35


FDR D-EVO II G43

For the details of FDR D-EVO II, please refer the related catalog .

Please contact FUJIFILM's authorized distributor for FDR D-EVO II X-ray system.

CE 0123

FUJIFILM

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FUJIFILM
Value from Innovation

Simplified long view imaging

43.2 × 124.5 cm DR detector
[17 × 49 inch]

NEW
FDR D-EVO GL

World's First*

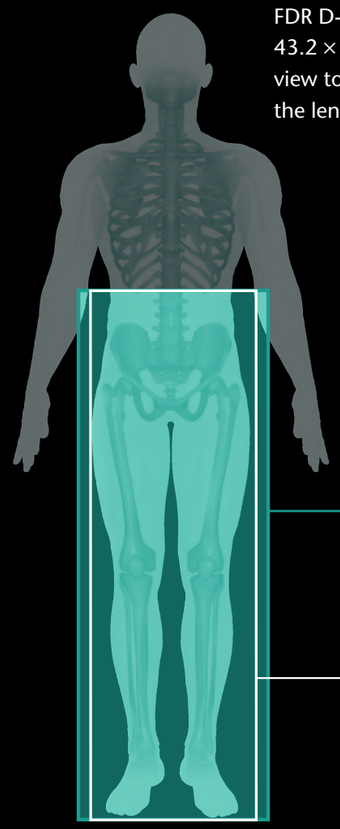
*According to research conducted by FUJIFILM Corporation in March 2016

43.2 × 124.5 cm size Flat Panel Detector
[17 × 49 inch]

FDR D-EVO GL allows long-view radiography of the entire lower limb or vertebral column with a single exposure.

A single exposure is performed within a timeframe of milliseconds; significantly reducing the risk of patient movement compared to a traditional DR multi-shot acquisition over a period of several seconds.

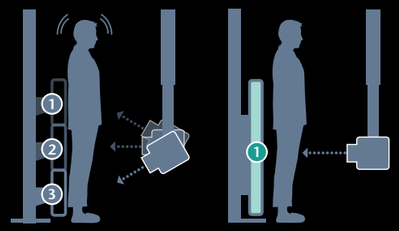
FDR D-EVO GL is approximately the size of three conventional 43.2 × 43.2 cm [17 × 17 inch] DR detectors, with a wide field of view to accommodate all patient sizes without compromising the length of the acquisition.



Long length Flat Panel Detector
FDR D-EVO GL
43.2 × 124.5 cm
[17 × 49 inch]

FDR D-EVO GL improves the efficiency of long-view exams, reducing exam times for the patient.

Long-view radiography on DR systems traditionally requires multiple exposures, dramatically increasing the time the patient must hold still compared to CR systems. Using one exposure with the FDR D-EVO GL reduces time for the patient to remain steady; making the examination less susceptible to patient movement artifacts.

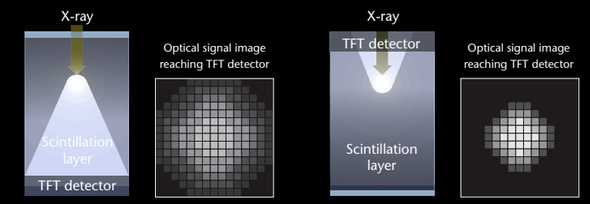


Conventional DR system　　FDR D-EVO GL

Fujifilm's exclusive technologies for achieving low dose and sharp image

1. ISS capture technology promotes high sensitivity

Equipped with Fujifilm's proprietary Irradiated Side Sampling (ISS) technology, which positions its capture electronics (TFTs) at the irradiation side, in contrast to traditional detectors. This design significantly suppresses scattering and attenuation of X-ray signals, improving efficiency to produce sharper images at lower doses compared to Conventional method.

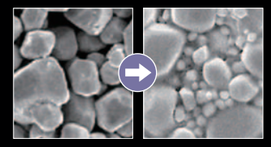


Conventional method　　ISS system reading technology

2. Improving sensitivity of low-density are as with a noise reduction circuitry

The uniquely developed noise reduction circuitry reduces noise in the image.

3. Blending large and small phosphor particles at an optimal ratio



Blending optimally-sized phosphor particles in gaps

Increased X-ray absorption through our uniquely designed scintillator, which applies photographic film technology to optimize the blending ratio of phosphor particles of different sizes.

4. Image processing technology to optimize imaging results

Image Intelligence™

The system uses image processing technologies to express the imaging results optimally, including Virtual Grid, which enhances image contrast and improves granularity degraded by scattered radiation, Dynamic Visualization, which provides images that are optimal for diagnoses on the monitor, and FNC noise suppression, which improves granularity by automatically extracting and separating noise components in the image.

"SmartSwitch" Technology

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

SmartSwitch