System configuration

Console Advance (DR-ID 1305CL)
Power supply unit (DR-ID 1305MP)
FDR D-EVO GL
Support Stand - Local Purchase

FDR D-EVO II Series

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

FDR D-EVO II Series

GOS detectors
CsI detectors

Console Advance (DR-ID 300CL)
Power supply unit (DR-ID 1300MP)

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 x 567.4 mm

Weight
Approx. 19.6 kg

Pixel pitch
0.15 mm

Pixels
8228 x 2832

Image preview
17 inch size reading: 9 to 20 sec
17 inch size reading (single detector segment): 6 sec
17 inch size reading: 26 sec
17 inch size reading (single detector segment): 10 sec

FDR D-EVO GL

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

Simplified long view imaging
43.2 x 124.5 cm DR detector
[17 x 49 inch]

External appearance and specifications are subject to change without notice. All features depicted are applicable at the time of this literature release. 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 II X-ray system.
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 x 43.2 cm [17 x 17 inch] DR detectors, with a wide field of view to accommodate all patient sizes without compromising the length of the acquisition.

World’s First

43.2 x 124.5 cm size Flat Panel Detector
[17 x 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.

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.

2. Improving sensitivity of low-density area 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

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

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.