

FUJIFILM
Value from Innovation

FUJIFILM

World's First Single Exposure
Long Length DR Detector

FDR D-EVO ^{NEW} **GL**

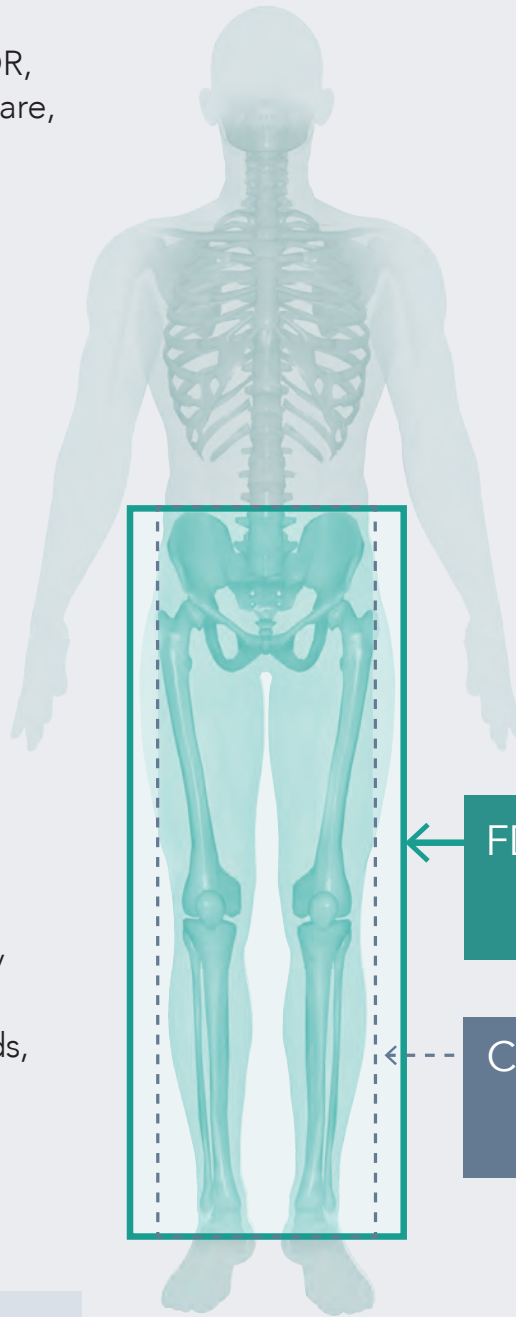
Achieve better patient satisfaction and reduce patient dose with FDR D-EVO GL

FDR D-EVO GL's single exposure DR, when used with Virtual Grid™ software, can **reduce dose as much as 50%** compared to grid exams.

This long-view single exposure detector ensures consistent, easy patient positioning and repeatable image acquisition, **reducing exam discomfort for a better patient experience.**

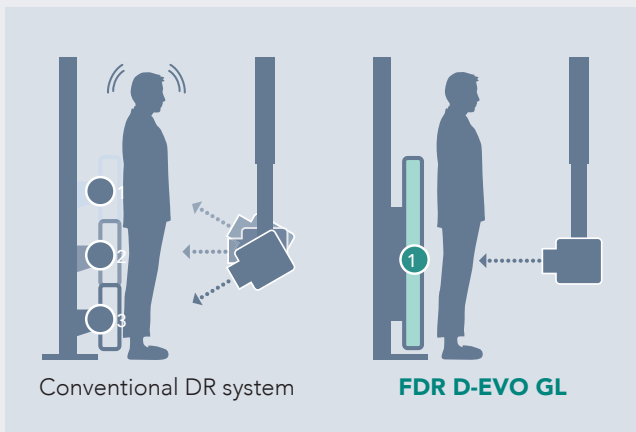
FDR D-EVO GL is 17x49 inches, expanding the traditional 14 inch CR long length field of view by 3 full inches to better **accommodate a variety of patient sizes and help prevent retakes** due to anatomy cut off.

FDR D-EVO GL **enhances the workflow** of long-view radiography by capturing the entire image in a single exposure in just a few seconds, reducing the chance for patient motion-induced artifacts and time for the patient to remain still.



FDR D-EVO GL
17 x 49 in.
field of view

CR Cassette
14 x 49 in.
field of view



Conventional DR system

FDR D-EVO GL



Fujifilm's exclusive technologies deliver high resolution images at very low dose

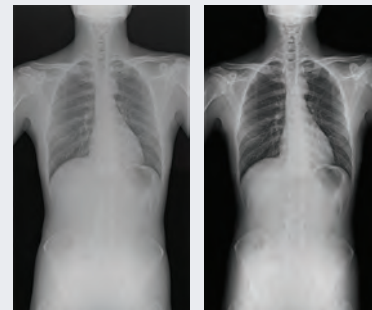


Refined Dynamic Visualization image processing produces exceptional images

FDR D-EVO GL utilizes the latest Fujifilm digital image processing technology, including Dynamic Visualization, which optimizes image display based on recognition of contrast levels throughout the entire exposure field. The resulting first-up images have outstanding detail and greater window and leveling capability in PACS.

Intelligent Virtual Grid image processing for situations where grid use can be challenging

Virtual Grid intelligent image processing replaces the use of a grid to enhance contrast and improve clarity while reducing dose as much as 50% compared to exams performed with a grid.

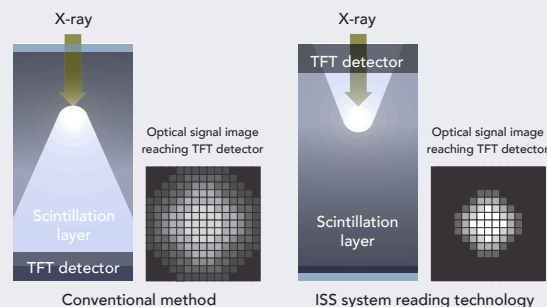


Without Virtual Grid

With Virtual Grid

Patented ISS capture technology promotes high sensitivity

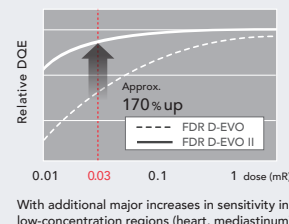
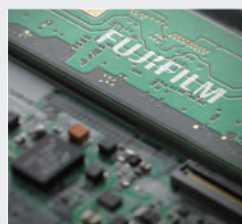
Fujifilm's proprietary Irradiated Side Sampling (ISS) positions its capture electronics (TFTs) at the irradiation side, in contrast to traditional detectors. This design significantly suppresses scattering and attenuation of X-ray signals, improving efficiency to produce sharper images at lower doses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



Noise reduction circuitry improves sensitivity in high absorption regions

A unique, Fujifilm innovation in noise reduction circuitry maximizes signal strength

to improve image quality in high absorption areas. This enhancement achieves 1.7 times the DQE of previous models, with as little as 0.03mrad dose. Visibility of dense areas such as the heart and mediastinum is greatly improved.



SmartSwitch Technology

Fujifilm's SmartSwitch technology enables automatic x-ray detection. FDR D-EVO GL automatically senses exposures to trigger image capture, allowing easier, faster interfacing with any x-ray system.

* Based on higher MTF and DQE demonstrated in "Effect of X-ray incident direction and scintillator layer design on image quality of indirect-conversion flat-panel detector with GOS phosphor" by K. Sato, et al.



FDR D-EVO GL Cart

The FDR D-EVO GL Cart was built with patient safety and technologist efficiency in mind. Features include a rigid anti-topple design, electronic toe collision safety sensor, adjustable patient stability arm rests, lateral support bar, locking front wheels, floor-step lock-down pins, and floor plates to simplify precise alignment to tube.

Required System Configuration



Workstation

Workstation (sold separately): System includes long length software and customizable exam menus. FDR D-EVO GL requires FDX Console v9 or later application software. System includes dedicated DR-ID 1300MP power supply unit. Detector connection to power unit is wired via 16 or 49 foot RS232C cable. Power unit connection to workstation is via Ethernet cable.

Specifications

FDR D-EVO GL 	Model name	Flat Panel Detector (DR-ID 1305SE) for FDR D-EVO GL System (DR-ID 1300)
	Scintillator	GOS (Gadolinium oxysulfide) Tightly packed phosphor combined with proprietary ISS.
	Detector external size	52.7 x 22.3 x 2.0 in.
	Weight	Approx. 43.0 lbs.
	Pixel pitch	150 µm
	Pixels	8228 x 2832 pixels
	Image preview	17 x 49 in. size reading: 9-20 sec. 17 x 17 in. size reading (single detector segment): 6 sec.
	Cycle time	17 x 49 in. size reading: 26 sec. 17 x 17 in. size reading (single detector segment): 10 sec.
Power Supply Unit 	Model name	Power Supply Unit
	Dimensions	4.7 x 15.3 x 14.0 in.
	Weight	19.2 lbs.
	Voltage	120VAC
FDR D-EVO GL Cart 	Model name	FDR D-EVO GL Cart
	Electric motorized elevation	120VAC
	Range of travel	5.25 - 54 in. (lowest); 31-79 in. (highest)
	Cart dimensions	51.25 x 40 x 25 in.
	Weight	Approx. 150 lbs. (without detector)
	SID	Approx. 80-95 in. required for full 50 in. field capture or
	Virtual Grid Software (optional)	Eliminates need for physical grid and lowers dose techniques
	Physical grids (optional)	10:1 ratio, 103 lines/in. 6:1 ratio, 103 lines/in. 8:1 ratio, 103 lines/in.



External appearance and specifications are subject to change without notice.