FUJIFILM
Value from Innovation

FDR D-EVO GL

World's First Single Exposure
Long Length DR Detector

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

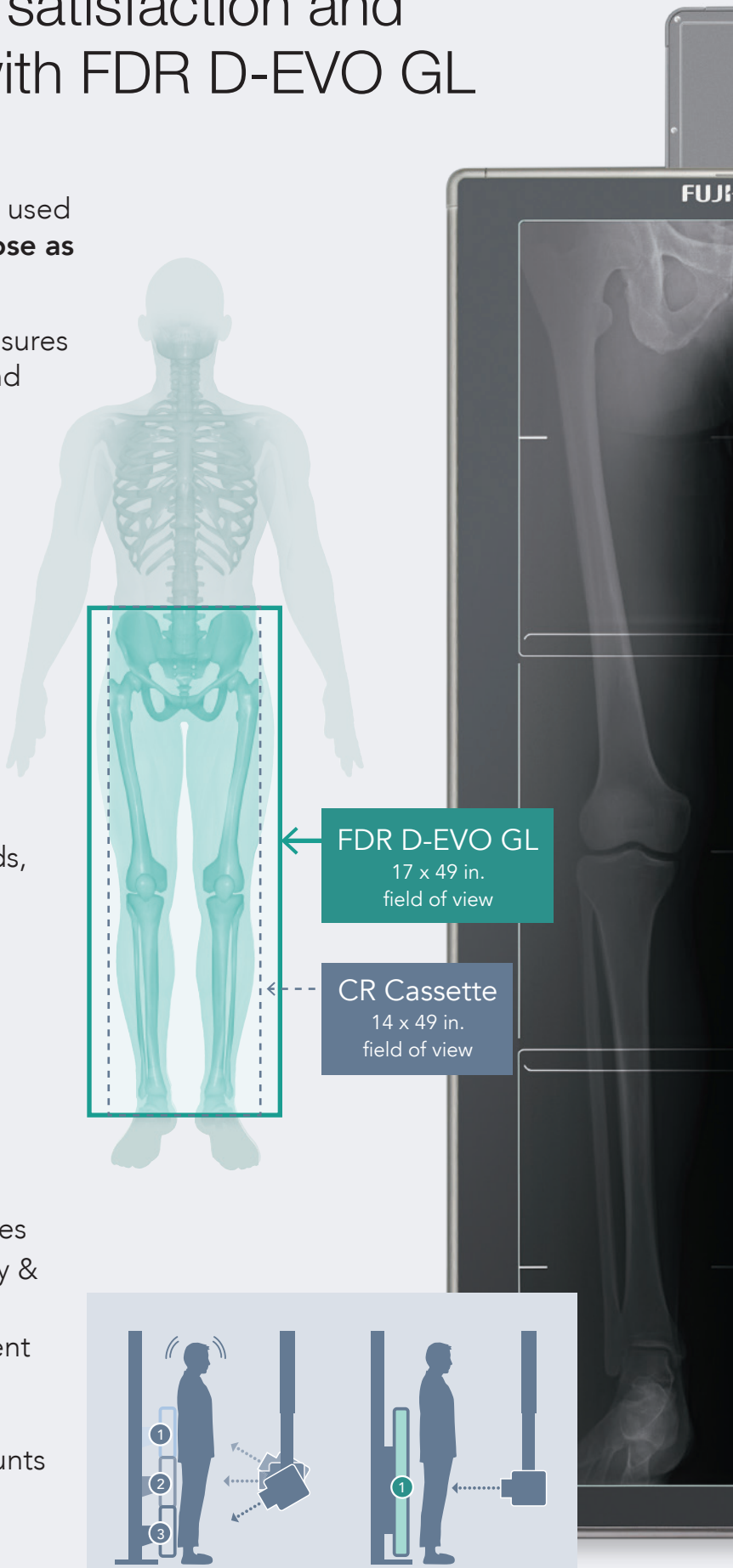
FDR D-EVO GL's single exposure DR, when used with Virtual Grid™ software, can **reduce dose as much as 50%** compared to grid exams.

This long-view single exposure detector ensures fast, consistent, easy patient positioning and 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.

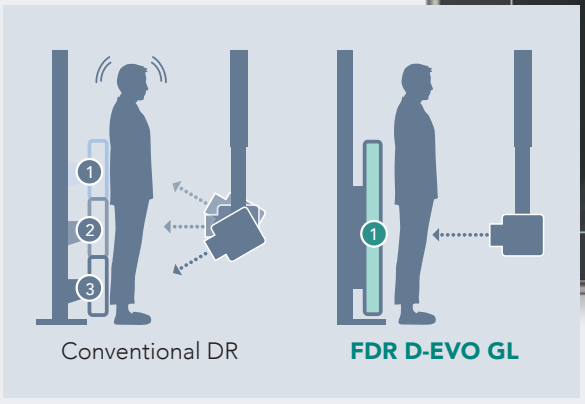
FDR D-EVO GL **enhances workflow** of long-view radiography by capturing the entire image in a single exposure in seconds, reducing the chance for patient motion-induced artifacts and time for the patients in pain to remain still.

- DR speed & workflow
- DR image quality & dose reduction
- 1-shot,1 long view, instant display
- No stitching, fast full views



Real-time OR Benefits

- Speed procedures
- Simplify accuracy & measurements
- Confirm alignment and angles
- Verify hardware placement & counts



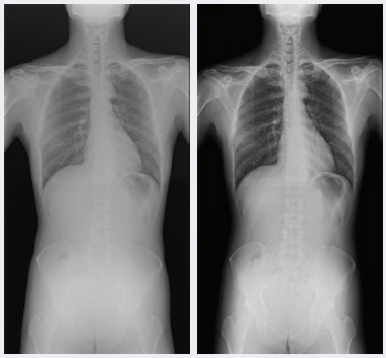
Fujifilm's exclusive technologies deliver high resolution images at very low dose

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

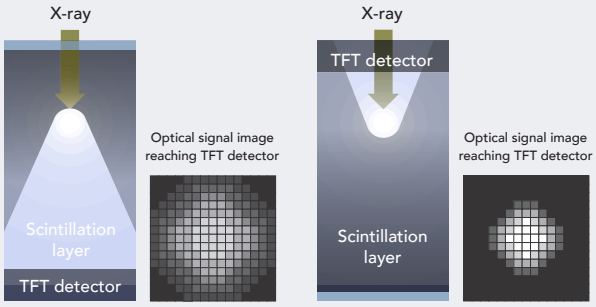
Virtual Grid intelligent image processing replaces the use of a grid to enhance contrast and improve clarity while reducing dose as much as 50% compared to exams performed with a grid.



Without Virtual Grid | With Virtual Grid

Patented ISS capture technology promotes high sensitivity

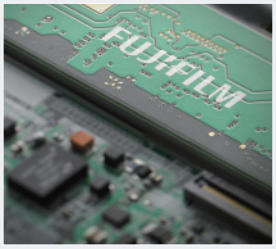
Fujifilm's proprietary Irradiated Side Sampling (ISS) positions its capture electronics (TFTs) at the irradiation side, in contrast to traditional detectors. This design significantly suppresses scattering and attenuation of X-ray signals, improving efficiency to produce sharper images at lower doses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

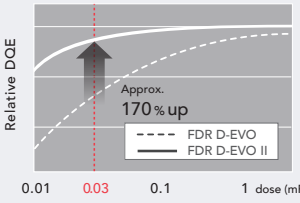


Conventional method | ISS system reading technology

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.





With additional major increases in sensitivity in low-concentration regions (heart, mediastinum)

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 (option)

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.

Articulating mobile cart for FDR D-EVO GL (option)

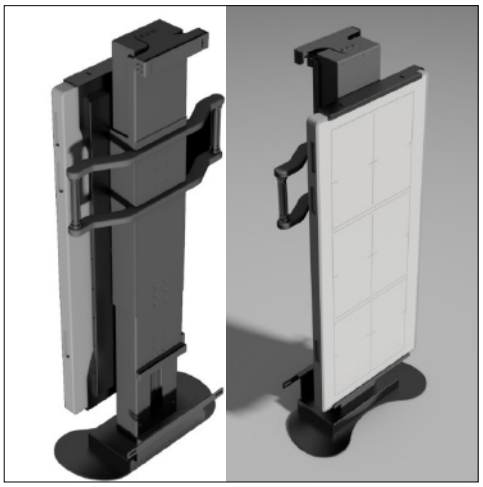
Versatile mobile positioner, articulates for cross-table under table, upright and even angled upright exams. Low under table design accommodates surgical use.

- Telescoping arm and column
- Upright, x-table and under table positioning
- Light piston driven height adjustment (no electricity needed)
- Sturdy mobile design with locking casters
- Counter balanced to prevent tipping

Sturdy, easy to clean construction

- Aluminum and Steel Construction
- Powder coated black finish and silver

Manual Adjustable Fixed Floor Stand (option)



Fixed floor mounted positioner with light easy height adjustment, patient grip handles, and 90° rotatatable detector holder. Accommodates upright, cross-table, and angled upright exams.

- Securely holds GL detector and grid
- Light, easy height adjustments to patient
- Slot for physical grid in front of detector
- Rotates detector 90° for x-table stretcher views
- Height Adjusts: 20" (50.8 cm) from floor
- Manual movements (no electricity needed)
- Counter-balanced with or without grid
- Safely anchors to floor and wall

Sturdy, easy to clean construction

- Aluminum and Steel Construction
- Powder coated black finish and silver

All three positioning stands are FDA registered and made in the USA for FUJIFILM

Specifications

FDR D-EVO GL

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

Dimensions	4.7 x 15.3 x 14.0 in.
Weight	19.2 lbs.
Voltage	120VAC

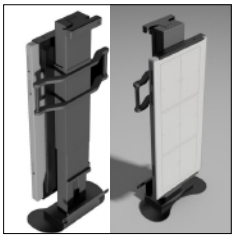
FDR D-EVO GL Cart (option)

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 captureor)
Virtual Grid Software (option)	Eliminates need for physical grid and lowers dose techniques
Physical grids (option)	10:1 ratio, 103 lines/in. 6:1 ratio, 103 lines/in. 8:1 ratio, 103 lines/in.

Articulating mobile cart for FDR D-EVO GL (option)

Weight	170lbs
Dimensions	30"x 23.25"x 40"
Total Vertical Stroke	44"
Pneumatic Piston Vertical Stroke	19"
Horizontal Arm Vertical Stroke	25"
Horizontal Stroke (Telescoping Arm)	6"
Max. Height Active Imageing Area - Portrait	83"
Min. Height Active Imageing Area - Portrait	3"
Max. Height Active Imageing Area - Landscape	67"
Min. Height Active Imageing Area - Landscape	6.25"

Manual Adjustable Fixed Floor Stand (option)



Weight	208 lbs
Shipping Weight	251 lbs.
Dimensions (HxWxD)	66"x 28"x 12.5"
Boxed Dimensions (HxWxD)	31"x 31"x 72"

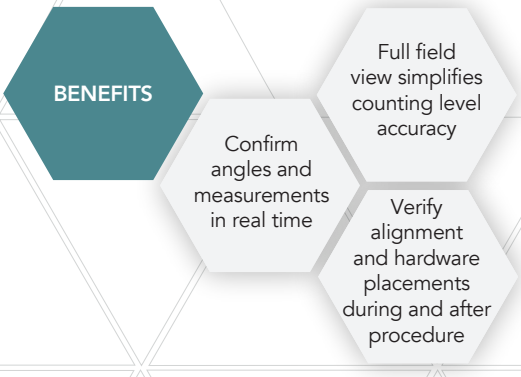
FDR D-EVO GL

The world's first single-exposure long-length DR detector for upright, supine and imaging in the OR, pre-, intra- and post- surgery.

Simplify exam speed, and measurement accuracy while minimizing patient dose and maximizing image quality.

- Single exposure full spine views, under and x-table views
- Articulating OR positioning cart, for both under and x-table views

- SmartSwitch auto exposure sensing technology is seamlessly compatible with existing portable



FUJIFILM Healthcare Americas Corporation
81 Hartwell Avenue, Suite 300, Lexington, MA 02421
www.fujifilmusa.com 800.431.1850
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