

# RADON

## MEDICAL IMAGING



Fujifilm FDR Go PLUS

[radonmedicalimaging.com](http://radonmedicalimaging.com)

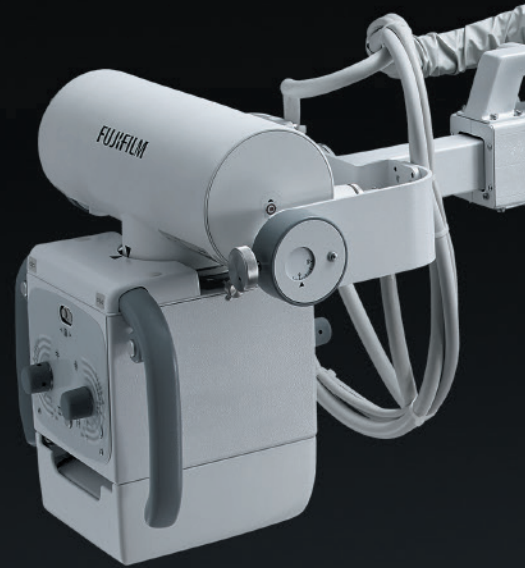
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WV Office 866-723-6698

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# Uncompromising in the pursuit of intuitive workflow

Fujifilm's mobile imaging has been renewed for a more proficient mobile exam experience. Designed to provide sophisticated yet simple harmonized operation, the FDR Go<sup>®</sup> PLUS, together with Fujifilm's trademark image quality and dose performance, offers exactly what you need everyday for your most challenging mobile exams.



Smooth, quiet travel and excellent maneuverability



Durable, high-sensitivity glass-free detectors



Advanced image processing and mobile imaging shortcuts

## FDR GO PLUS

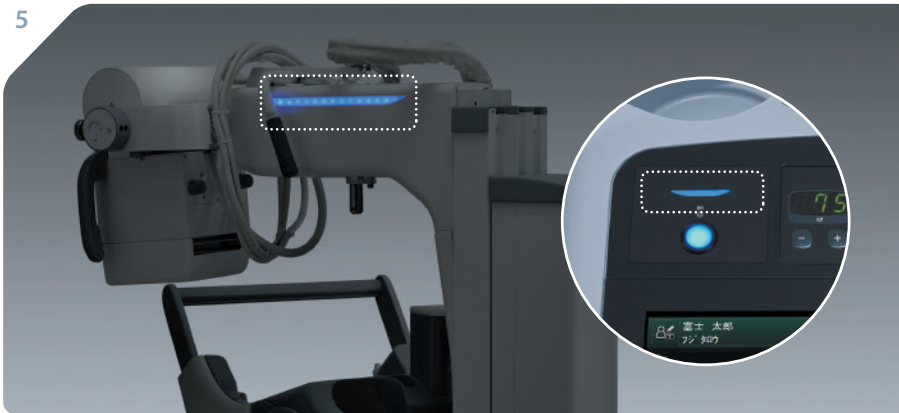




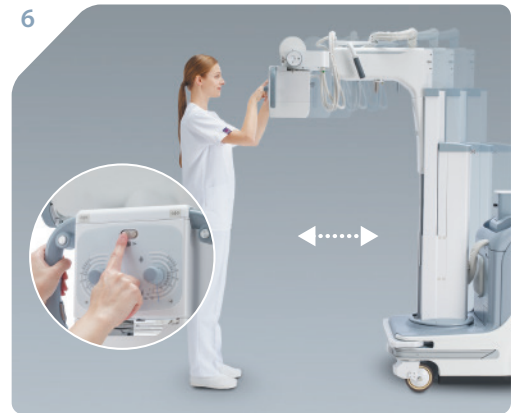
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### 1 Easy, Safe, and Quiet Travel

The retractable column, one of the lowest designs available, combined with a smooth and quiet drive system, provides agile and safe maneuverability and minimal disruption in quiet environments. The intuitive touch-sensing safety bumper stops movement and signals the operator when it senses contact.

### 2 Slim, Lightweight Design

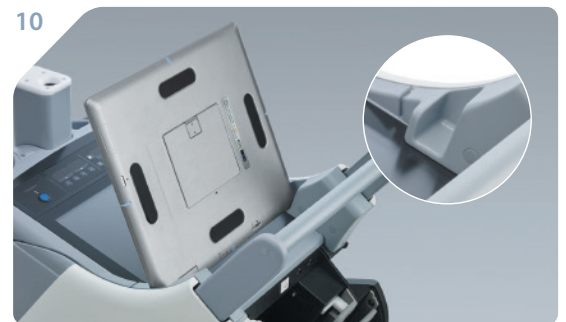
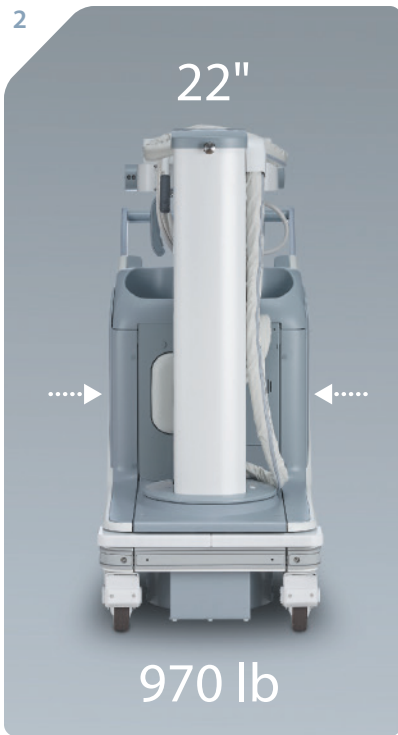
The lightweight compact chassis, just 22" wide and 970 lb, ensures superb maneuverability even in the tightest of spaces.

### 3 Dedicated Storage

There are plenty of storage areas to hold both large and small detectors, grids, wipes, gloves, bags, and spare detector batteries. The covered storage bin is perfect for pens, markers, and paperwork. The detector slots are open in the center for easy cleaning and retrieval of objects that may fall inside, and feature a lock to safe-keep detectors from being borrowed or misplaced.

### 4 Extra-large Touchscreen Display

The full-functionality console provides immediate image previews at the bedside with fast, easy workflow and sophisticated imaging shortcuts to simplify the most common types of portable exams.



### 5 System Status Indicators

Visual confirmation of system status is available with bright LED status lights at the top of the monitor and the side of the tube arm. The lights provide exposure, charge status, and system errors at a glance.

### 6 Compact Tube with Inching Controls

Tube design is small for easy positioning in tight spaces. Forward and backward inching controls at the collimator slowly move the system, allowing precise positioning without having to return to the drive handle.

### 7 Easy-to-reach Tube Positioning Releases

Three sets of tube arm releases at the bottom and middle of the hand grips and sides of the tube arm provide fast, easy reach and positioning exactly where you need it.

### 8 Front & Rear Collimation Controls

The collimation knobs located on the front and back of the tubehead enable the technologist to easily collimate from any position around the patient bedside.

### 9 Dose Management Tools

Automated menus optimize dose based on exam and detector type. FDR Go PLUS calculates and displays the Dose Area Product\* (DAP). IEC exposure/deviation index and dose-structured reporting can also be sent to PACS as DICOM data.

\* An optional area dosimeter is also available.

### 10 Detector-holding Channel

The convenient detector-holding area makes it easy to change the battery and bag or wipe down the detector.



# FDR D-EVO III high-sensitivity detectors

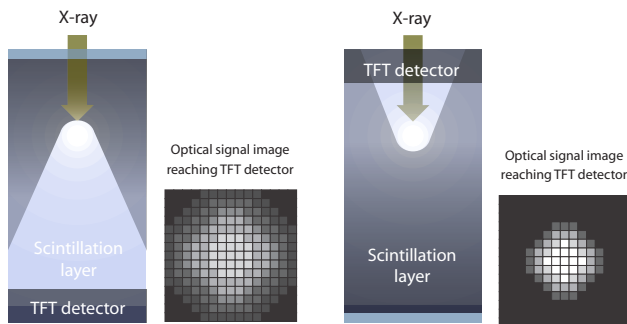
Lightweight and durable detectors with germ resistance provide versatility and peace of mind for your most demanding portable exams.

## FDR D-EVO III

A full range of detectors and sizes provides just the right size for any exam, with the flexibility to borrow or share detectors with other users on demand. The 25x30cm detector is perfect for neonatal isolette trays and challenging orthopedic exams. The standard 14x17" detector is perfect for most portable exams, and the 17x17" detector is great for larger views or patients. All detectors include 510(k) clearance for pediatric use.

### Exclusive Film-based TFT with Patented ISS technologies enhance DQE and dose performance

Patented ISS (irradiation side sampling) technology focuses its capture electronics where signals are strongest and sharpest (in contrast to conventional designs) to improve visualization of bone detail and dose efficiency.



Conventional method

ISS system reading technology

Exceptional images at gentle dose – combining Fujifilm’s patented ISS and glass-free, film-based capture circuitry, improves x-ray attenuation and sharpness, achieving 33% DQE compared to 31% (1Lp/mm-RQA5 1mR) of prior glass-based FDR D-EVO II models.

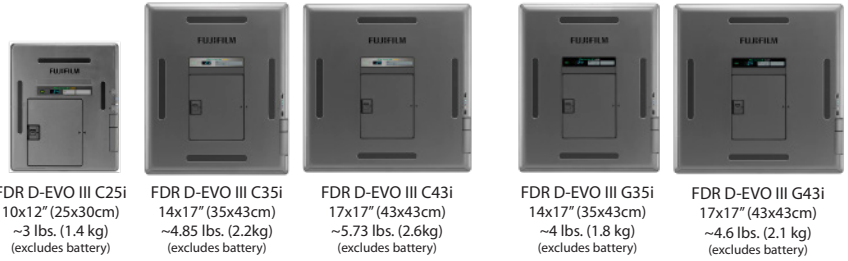
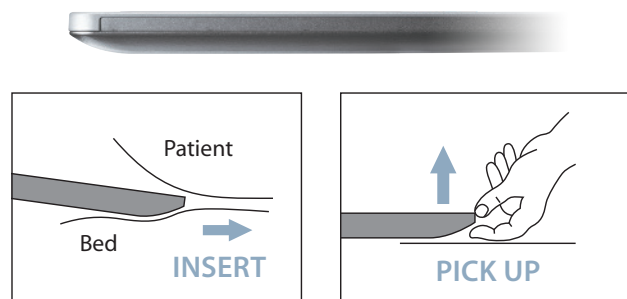
### Noise Reduction Circuitry

Signal strength is further improved, resulting in 33% DQE even at 0.1mR. Enhancing granularity and visibility of dense, low penetration and ultra low dose regions.



### Improved Insertion Under the Patient

Tapered edges simplify insertion under the patient and pick up from flat surfaces.



FDR D-EVO III C25i  
10x12" (25x30cm)  
~3 lbs. (1.4 kg)  
(excludes battery)

FDR D-EVO III C35i  
14x17" (35x43cm)  
~4.85 lbs. (2.2kg)  
(excludes battery)

FDR D-EVO III C43i  
17x17" (43x43cm)  
~5.73 lbs. (2.6kg)  
(excludes battery)

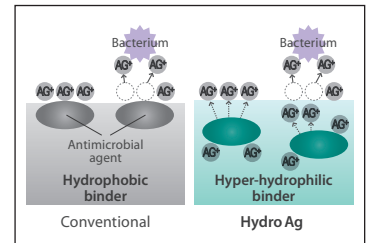
FDR D-EVO III G35i  
14x17" (35x43cm)  
~4 lbs. (1.8 kg)  
(excludes battery)

FDR D-EVO III G43i  
17x17" (43x43cm)  
~4.6 lbs. (2.1 kg)  
(excludes battery)

### Hydro AG Antibacterial Coating



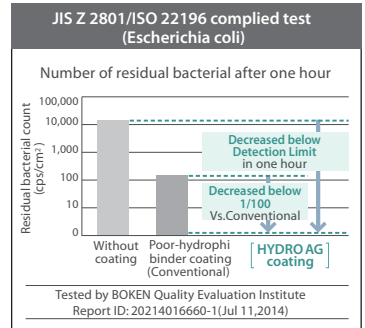
FDR D-EVO III detectors are coated with Fujifilm’s exclusive Hydro AG coating, engineered to kill bacteria on its surfaces, providing an added safety measure against healthcare-associated infections (HAIs).



Hydro AG coating is:

- 99.99% effective against most common bacteria
- 100 times more effective than traditional silver ion coatings\*
- 10,000 times more effective than surfaces with no coating\*

\* Based on residual bacteria counts



### Improved Detector Sharing

Transition from one system to the next with a simple single button press at back of the detector.



### Ultra-Lightweight Design

Light and durable, FDR D-EVO III enhances ease of mobility and positioning critical to portable exams.

Approx. 4 lb



FDR D-EVO III G35i

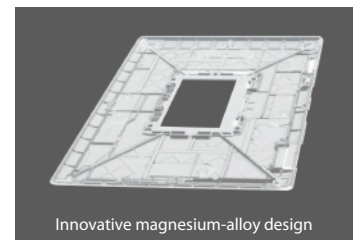
### Protection and Durability

The smooth, sealed design boasts an IPX6 fluid and IP5X dust particle rating, while the magnesium alloy frame provides load resistance up to 683 lb, bringing added peace of mind to intense portable environments.

IPX6 rating



Load Capacity 683 lb



Innovative magnesium-alloy design



Innovative processing enhances image quality, workflow and patient safety

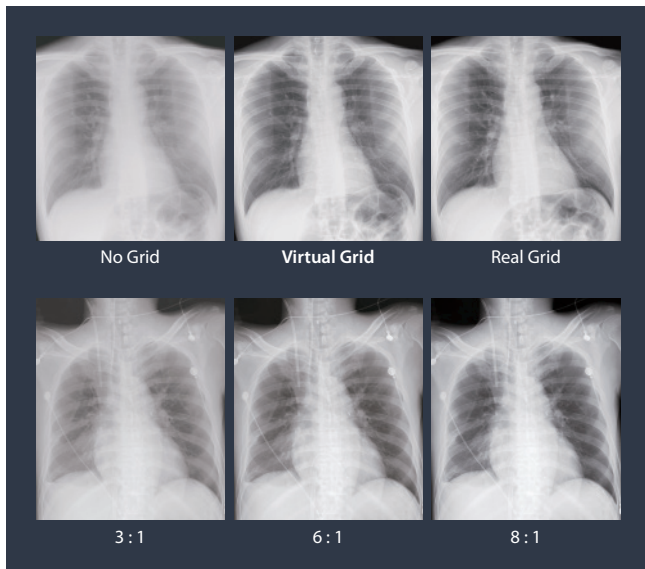
### Virtual Grid

Enables high quality images without the use of a grid

Intelligent image processing corrects for the effects of scatter radiation while retaining high contrast and sharpness. It improves patient comfort, simplifies positioning, and allows for as much as 50% lower dose compared to grid exams. (Option)



Virtual Grid



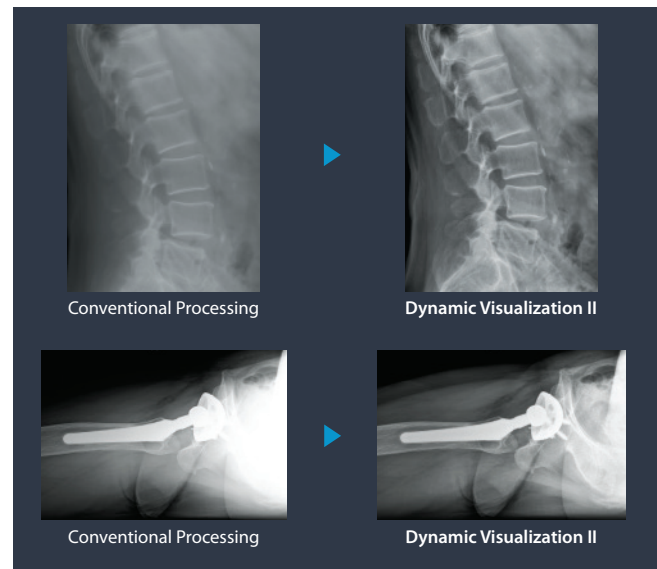
### Dynamic Visualization II

Optimizes image quality with intelligent 3D feature recognition technology

Advanced thickness and feature recognition algorithms automatically adjust contrast and density for individual characteristics of body parts and orthopedic hardware. (Option)



Dynamic Visualization II



Advances in technology and image processing minimize patient dose



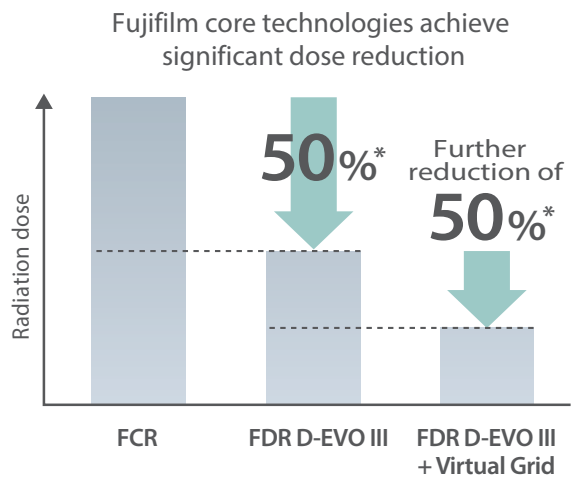
#### FDR D-EVO III

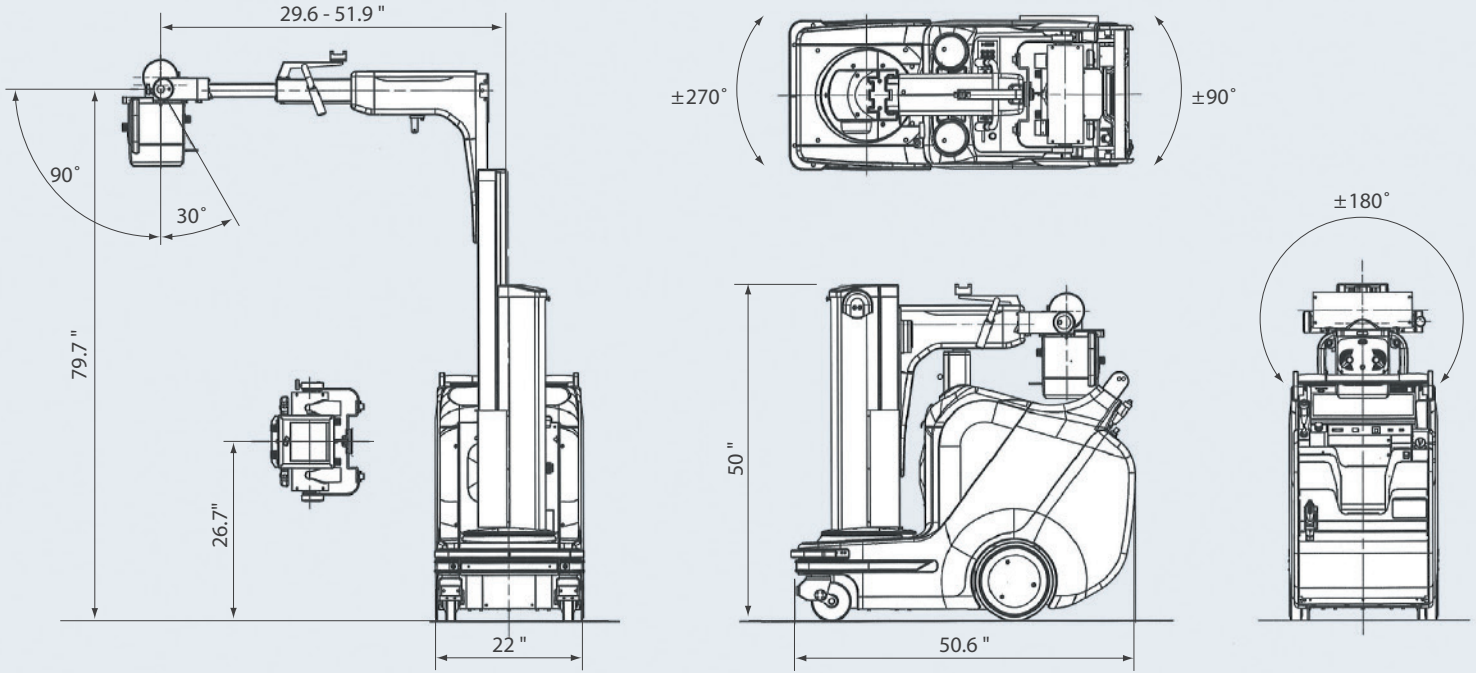
High sensitivity reading technology "ISS"



#### Virtual Grid

Improves image granularity in low-dose imaging








### FDR Go PLUS Specifications

MODEL	FDR Go PLUS mobile x-ray system
Power Supply:	100/110/120/200/220/230/240 VAC; Single Phase: 50-60Hz
Charger: Power consumption	1.0 kVA
X-ray Output: Maximum rating:	32kW
X-ray Tube: voltage:	40 - 133kV in 1kV steps
Tube Current:	50 - 400mA
Focal Spot Size:	0.7mm/1.3mm
Target Angle:	16°
Anode Heat Capacity:	300kHU (210kJ)
SID to Floor:	79.7" maximum, 26.7" minimum
Battery Performance:	Approx. 3-4 hours use. Charge Time: 5 hours to 90% charge, 8 hours to 100% charge. Emergency Reserve Mode: up to 10 additional exposures of extended use.
Travel Speed:	Approx. 3.1mph. maximum (may vary depending on conditions)
Wireless:	Detector to console is 2.4 or 5GHz 802.11n short range, closed loop, handshake, transfers image data only.
Connection to Hospital Network (RIS/PACS):	Via wired Ethernet jack or built-in wireless. WAN: IEEE802.11a/b/g/n (2.4 to 5GHz) LAN: 10/100/1000 Base-T DHCP or Static
Dimensions, Total Size (w x l):	22 x 50.6"
System Weight:	970 lb
Column Retractable Height Tube:	50 -79.7"
Arm Reach:	25.1 - 47.4"
Column Rotation Range:	±270°
X-ray Tube Unit Rotation Angle:	±180°
X-ray Tube Unit Axial Rotation Angle:	+90° /- 30°
Monitor Size:	19"

Specifications are subject to change without notice.  
For details on their availability, contact your local representative.

UPGRADES INCLUDED STANDARD	
Dose Area Product display (calculated) & DICOM	
Keyless entry (mobile drive)	
Luminous handswitch	
Wireless LAN to RIS/PACS	
OPTIONS & ACCESSORIES	
Dynamic Visualization II image processing	
Virtual Grid simulation software	
Wireless handswitch	
Bluetooth barcode reader	
RFID card console login	
Wired detector connection kit	
Additional luminous handswitch wired, connected, and mounted at front of cart	
External monitor interface, DVI connection kit	

