

Generators Solution

Medical Center



Capacitor Assisted Generator

Perfect for the medium sized X ray department.
No power supply modification necessary
40kW Single Phase Input power 3kW

Country side

*Unstable electricity supply



UPS generator

Supplies power for 5 hours
(or approximately 500 shots) without electricity.
The ideal solution for regions with unstable power supply
40kW Single Phase Input power 1 kW

Hospital



Line Powered generator

We can adjust our generator to the workload required in a big hospital.
40 kW/52kW/68kW/82kW Three phase

FDR SMART requires only a 3 m x 2m X ray room and can be ordered in 3 different types of generators due to the already existing power supply in the facility and based on the stability of power supply given in the area.

	X-RAY GENERATOR					
	Capacitor Type	UPS type	Line Powered Type			
	GXR-C40S	GXR-U40S	GXR-40S	GXR-52S	GXR-68S	GXR-82S
System Model	Capacitor	UPS	Line	Line	Line	Line
Output Rating	40kW	40kW	40kW	52kW	68kW	82kW
Line Nominal, Phase	230VAC, 1Φ		230VAC, 1Φ 400/480VAC, 3Φ	400/480VAC, 3Φ		
Line Voltage Range	±10% (Frequency: 50/60Hz)					
kV Range	40-150kV, 1kV step					
mA Range	10 to 500mA	10 to 500mA	10 to 500mA	10 to 640mA	10 to 800mA	10 to 1,000mA
Timer Range	0.001 to 10 sec, 38 steps					
mAs Range	0.1 to 500mAs (Optional higher mAs)					
Max. Power Output	500mA@80kV	500mA@80kV	500mA@80kV	640mA@81kV	800mA@85kV	1,000mA@82kV
	400mA@100kV	400mA@100kV	400mA@100kV	500mA@104kV	640mA@106kV	800mA@102kV
	320mA@125kV	320mA@125kV	320mA@125kV	400mA@130kV	500mA@136kV	640mA@128kV
	200mA@150kV	200mA@150kV	200mA@150kV	320mA@150kV	400mA@150kV	500mA@150kV
Minimum Breaker Rating	15A(230Vac, 1Φ)	10A(230Vac, 1Φ)	100A(230Vac, 1Φ) 65A(400Vac, 3Φ) 50A(480Vac, 3Φ)	75A(400Vac, 3Φ) 65A(480Vac, 3Φ)	90A(400Vac, 3Φ) 75A(480Vac, 3Φ)	100A(400Vac, 3Φ) 90A(480Vac, 3Φ)
Anatomical Programs	User programmable max. 1,280 programs with APR utility software					
Technique Selection	4 point display(kV, mA, Time, mAs)					

	X-RAY TUBE			
	E7242X / Toshiba	E7884X / Toshiba	E7252X / Toshiba	E7255X / Toshiba
Focal Spot Size	0.6/1.5mm	0.6/1.2mm	0.6/1.2mm	0.6/1.2mm
Max. Anode HU	200kHU	300kHU	300kHU	300kHU
Target Angle	14°	12°	12°	12°

	COLLIMATOR	
	R108F / RALCO	Rectangular
Field Shape	Rectangular	
Max. kVp shield	More than 43x43cm(17x17inch) at 100cm SID	
Inherent Filtration	Min. 2.0mmAl eq.	
Luminosity	Over 160LUX at 100cm SID (Typ. 250LUX)	
Light Source	Single LED	
Standard	Laser line, Tape measure, Rotating flange	

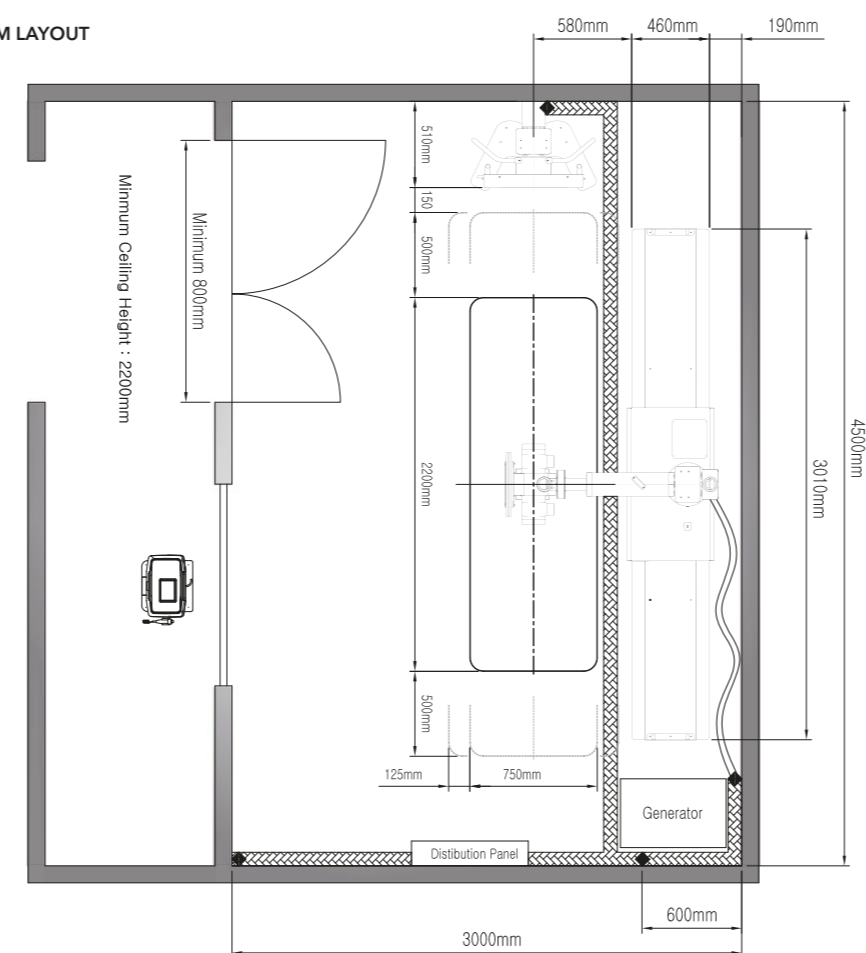
FDR Smart Specifications

		PATIENT TABLE		
		4-way Floating Tabletop	6-way Elevating Table	
Movement	Tabletop	Longitudinal	1,000 (±500)mm	
		Transversal	250 (±125)mm	
	Vertical	Travel Speed	285(565-850)mm 21mm/sec	
		Operating	Motorized movement by footswitch DC-motor (Linear Actuator)	
	Bucky	350mm		
Tabletop	Inherent Filtration	Less than 1.2mmAl at 100kV		
	Max. Patient Weight	300kg (660lbs)		
Bucky Type / Grid	Oscillating	2,200(W) x 750(D) x 70(H) mm	2,200(W) x 810(D) x 45(H) mm	
	Fixed	FD 34-44inch, 103 lpi, ratio 10:1 FD 100cm, 200lpi, ratio 10:1 Optional removable grid		
Lock (Brake)		EM Lock, beam sensor on/off	EM Lock, Foot Switch on/off	
Center indication		Buzzer sound and LED	Transverse center, height center	
Dimension / Weight		2,200(W) x 750(D) x 660 or 720(H) mm / 150kg (330lbs) or 155kg (342lbs)	Max. 2,200(W) x 810(D) x 850(H) mm / 260kg(573lbs)	
VERTICAL WALL STAND				
Cassette Stroke		Vertical 1,640mm (420-2,060mm from floor to Bucky center)		
Bucky Type / Grid	Oscillating	FD 40-72inch, 103 lpi, ratio 10:1		
	Fixed	FD 150cm, 200lpi, ratio 10:1 Optional removable grid		
Lock (Brake)		EM Lock, Foot Switch on/off		
Balance		Counter Weight		
Dimension / Weight		Max. 1,920(H) x 740(W) x 410(D) mm / 120kg(264lbs)		
FLOOR MOUNTED TUBE STAND				
Tube Rotation Angle		±135°		
Tube Stroke	Longitudinal	Max. 2,100mm		
	Lateral	220mm		
	Vertical	1,580mm (430-2,010mm from floor to focus)		
Lock (Brake)		EM Lock, Foot Switch on/off		
Balance		Counter Weight		
Column Rotation		90° step, Foot Lock		
Dimension / Weight		2,060(H) x 1,140(D) mm / 240kg(529lbs)		

Dimensions

Unit: mm

MINIMUM ROOM LAYOUT



FUJIFILM Middle East FZE

P.O. Box: 17212, Jebel Ali Free Zone, Dubai - United Arab Emirates
Tel.: +971-(0)4-883-9990 | Fax.: +971-(0)4-883-9882 | E-mail: fujime-med@fujifilm.ae

<http://www.fujifilm.com/products/medical/>

FUJIFILM

Fujifilm DR Solution

FDR Smart

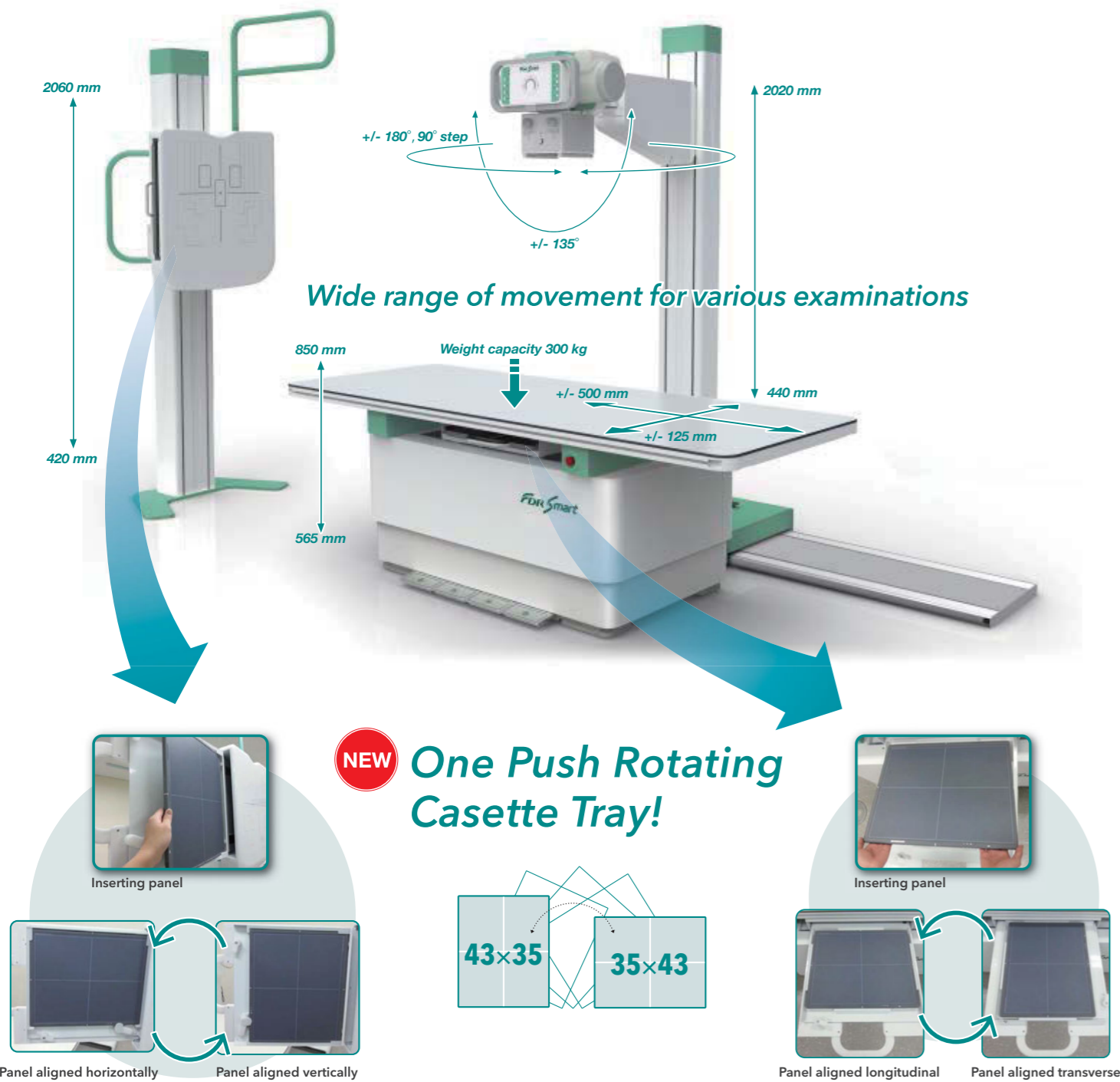


FDR smart

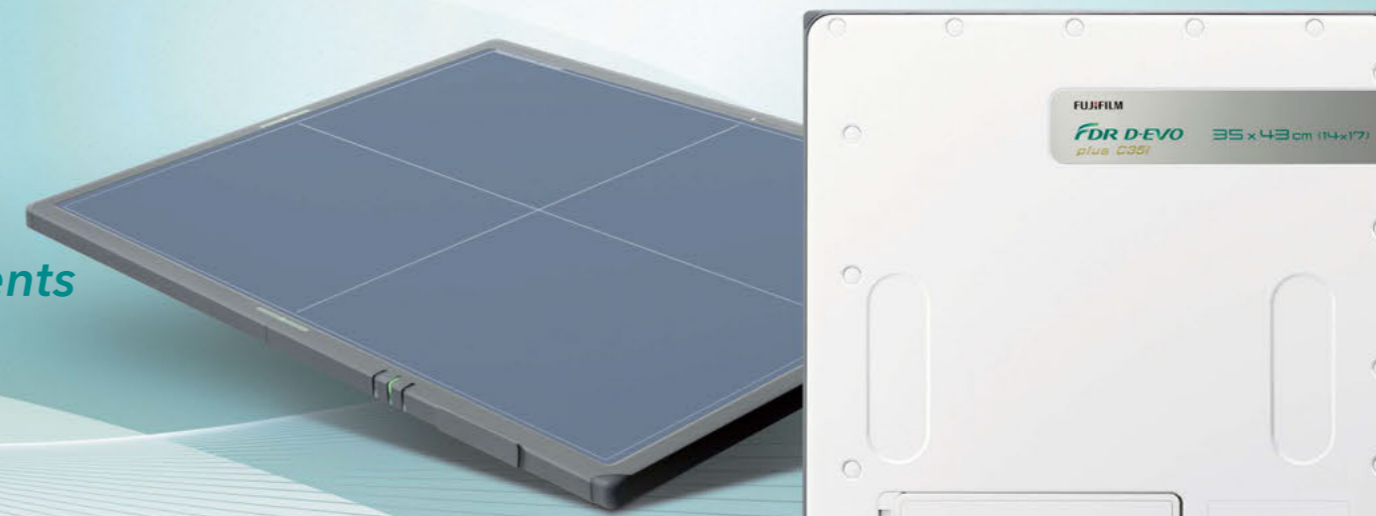
Elegant & Economical Digital X-Ray system



FDR Smart Specifications



A novel cassette which allows more precise examinations with greatly reduced burden on patients



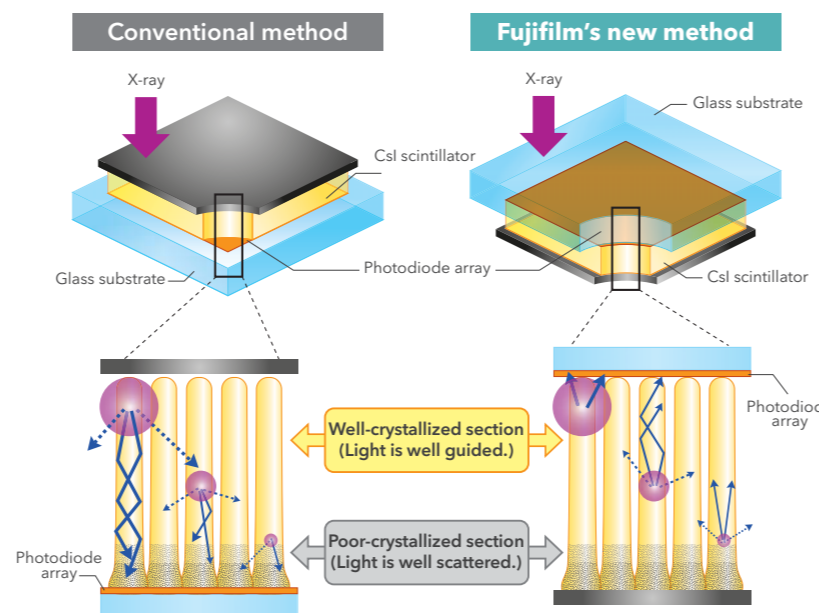
Maximized operability with wireless mode – suitable for a wide range of exposure situations

The wireless mode frees X-ray procedures from bothersome cabling, resulting in greater operability. When the battery level becomes low during the procedures, the battery can be charged easily by attaching the cable. This cassette caters to various exposure situations.



New Flat Panel Detector

An outstanding technology achieves sharper images and more efficient X-ray conversion

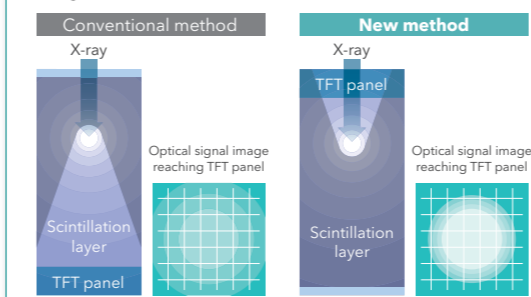


CsI scintillator

Fujifilm's new Flat Panel Detector capitalizes on the high X-ray absorption characteristics of CsI and the ability of its needle crystals to deliver high image sharpness. In addition application of the company's proprietary ISS technology has allowed even greater improvements in image quality, and lower patient dose, when compared to conventional CsI detectors.

ISS technology

"ISS technology" sees the TFT sensor placed in front of the scintillation layer instead of its traditional position behind it. This technology permits a higher resolution image and reduced doses.



The novel type CsI:Tl FPD, combining an adhesively coupled structure with ISS method, exhibits significant improvement in image quality than conventional CsI:Tl FPDs and provides a way to reduce X-ray exposure to the patient.

NEW CONSOLE ADVANCE

New image processing - Dynamic Visualization



Conventional image

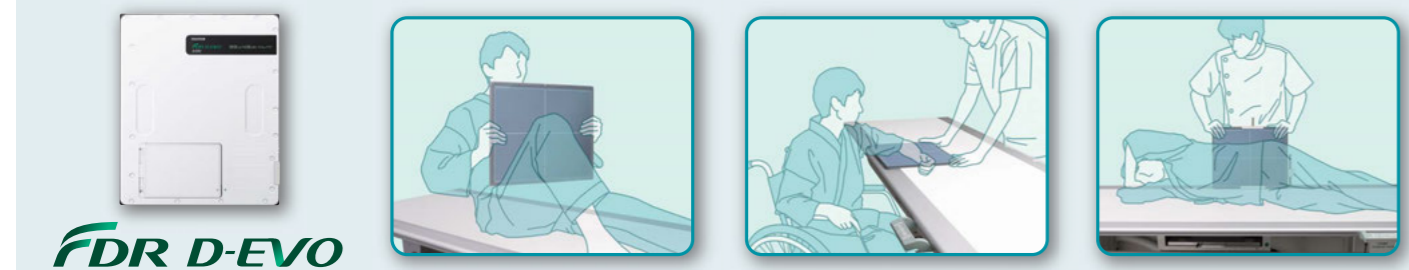
New image

Customised image

Fujifilm's renowned diagnostic image quality has now evolved still further. Leveraging its world leading image processing technology, built on a long heritage in medical imaging, and its endless pursuit of improvements in diagnostic imaging, Fujifilm's CONSOLE ADVANCE is more than able to meet the exacting demands of the modern medical market.

Fujifilm's image processing technology automatically recognizes the region of interest and applies the optimum image processing parameters in order to deliver reproducible, high quality images every time. This greatly streamlines workflow thus reducing the load on Technologists and speeding up diagnosis for Doctors.

FDR Smart with wireless FPD D-EVO enables a wide range of free exposure positions



Quick Preview

Rapid display of images and automatic trimming ensure smooth examinations

Speedy display of images greatly shortening examination time

It just takes one second to display the preview image after an exposure and the inter-exposure time in a minimum of 8 seconds. Quick re-exposure is also possible, with no need to have patients wait. High throughput is realized, reducing the examination time significantly.

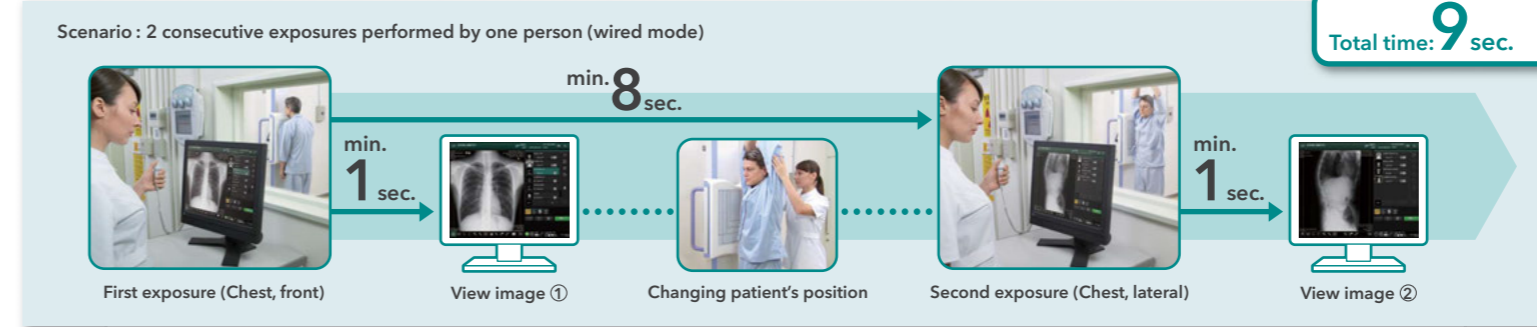


Image stitching function



Auto-trimming function

