FUJIFILM
Value from Innovation

NEW

FDR D-EVO III

G35 | G43
C35 | C43

World's first glass-free and lightest DR detector with patented ISS.

4.0 lbs

*excludes battery pack

Hydro Ag
Anti-bacterial coating

SmartSwitch

Portable

ISS Technology

Wireless

IP56
WATER & DUST RESISTANT

Dynamic Visualization II

Virtual Grid

Welcome to the Future of Digital Radiography

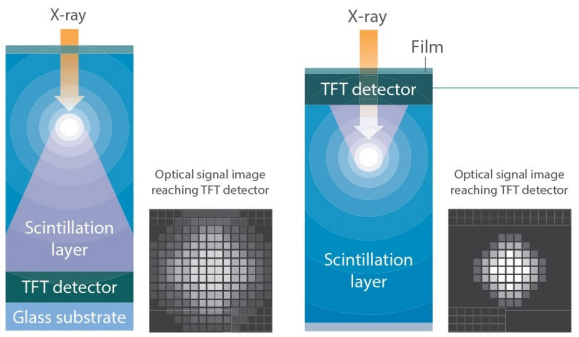
* Appearance shape and color may change.

Fujifilm
Healthcare

Fujifilm's exclusive technologies for achieving high resolution and low dose

Patented ISS capture technology promotes high sensitivity

Equipped with Fujifilm's patented Irradiated Side Sampling (ISS) technology which bonds its capture electronics (TFTs) to the x-ray irradiation side, in contrast to traditional detectors. This design suppresses scattering and attenuation of x-ray signals, to produce sharper images at lower doses compared to traditional designs.

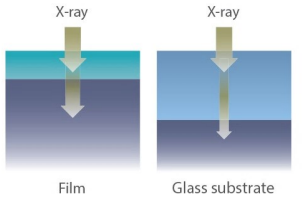


Conventional method

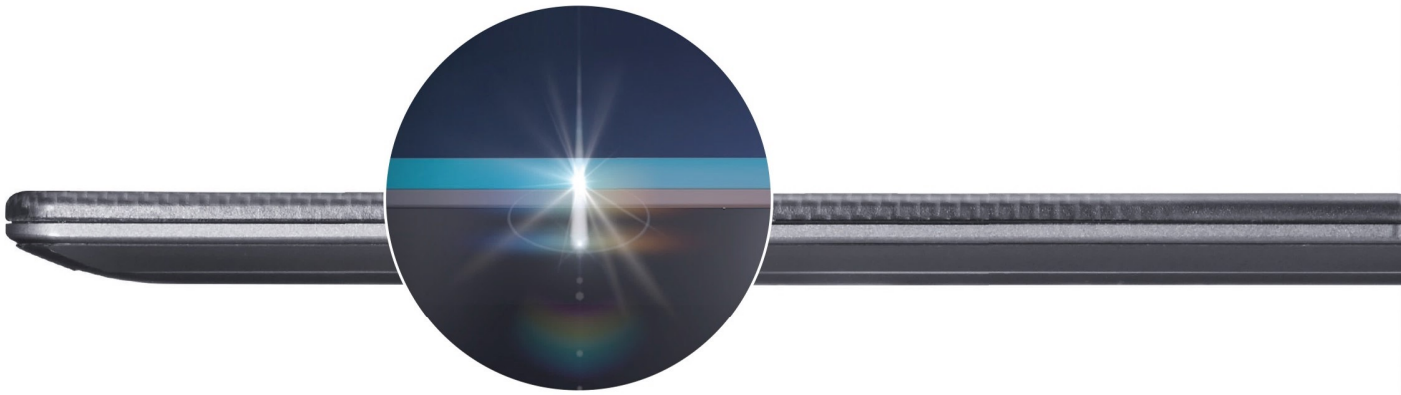
ISS system reading technology

NEW ISS with film-based TFT capture uniquely enhances DQE and dose performance

By combining Fujifilm's patented ISS and the glass-free, film-based TFT capture scintillator, X-ray transmittance is improved, achieving 33% DQE compared to 31% (1Lp / mm-RQA5 1mR) of prior FDR D-EVO II detectors.
This contributes to high quality images and low dose.
This unique technology combination, only possible with Fujifilm's ISS, allows FDR D-EVO III to fully maximize the benefits of this innovative film-based design.



The lower x-ray attenuation of thin film-based capture results in higher absorption for improved sharpness.



Improved handling

Simple battery replacement workflow

The battery can easily be replaced with one hand and the detector can be back up and ready in ~90 seconds. This eliminates concerns about battery life or on-demand battery swaps even in the midst of critical care.

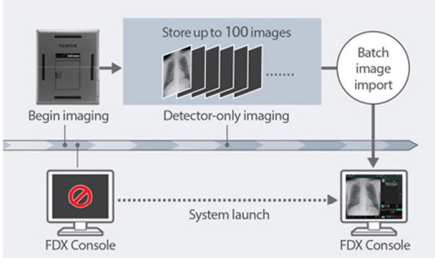
Suitable for outdoor use with an expanded spectrum

Supports 2.4 GHz and 5 GHz (W52/53/56/58)* spectrum. Suitable for outdoor use during disaster response.

*It depends on the regulation of each country which wireless band is allowed to be used.

Memory Mode

Dedicated memory mode enables added emergency uses. Built-in memory stores up to 100 images. Images are retained even if detector power is interrupted. Digital readout on detector face tracks images stored and increments as they are acquired.



Flexibility - On-Demand Use

FDR D-EVO III's unique combination of form and function brings significant value to traditional room retrofit and mobile uses. The additional capabilities of Memory Mode and Smart Switch bring added value for emergency, on-demand backup and failsafe uses with any portable, room or even for remote off-site and disaster response uses.

"SmartSwitch" Technology

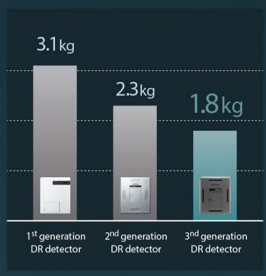
Fujifilm's "SmartSwitch" technology enables automatic X-ray detection allowing FDR D-EVO III to acquire images without a connection to the x-ray generator. The detector automatically senses exposure to trigger image capture, allowing the versatility of memory mode use and use with other x-ray rooms or mobiles on demand.

SmartSwitch

High-level protection

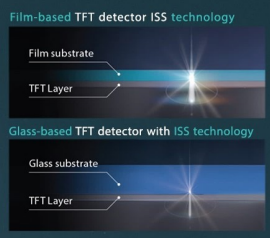
Fujifilm's lightest DR detector with flexible film-based TFT circuitry

By replacing the glass-based TFT layer with a high-tech thin film layer, FDR D-EVO III is 40% lighter than the original I st generation FDR D-EVO model and 20% lighter than FDR D-EVO II.



Higher DQE 33% (1Lp/mm-RQA5 1mR)

Innovative film-based capture layer helps reduce signal blur, providing excellent DQE and dose performance.



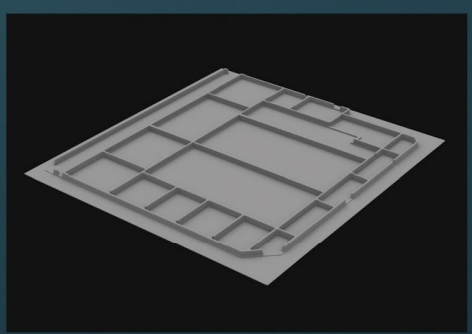
Enhanced durability to endure tough medical environments

By eliminating the most fragile (glass) component, the new flexible film-based TFT detector improves durability and decreases risks of shock damage compared to previous FDR D-EVO models.

* Appearance shape and color may change.

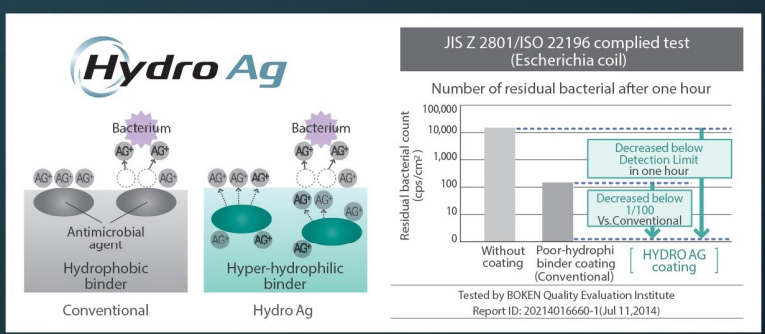
Magnesium-alloy casing provides lightweight with high durability

Inner Mg-Li alloy frame supports provide robust protection for internal components, while maintaining a lightweight design. With this technology, FDR D-EVO III can withstand up to 683 lbs. distributed load and 352 lbs. point load capacities.



Hydro Ag™ antibacterial coating

FDR D-EVO III detectors, entire outer surfaces are coated with Fujifilm's proprietary Hydro Ag antibacterial coating, which has an antibacterial effect 100 times greater than conventional Ag coatings and 10,000 times more effective than surfaces with no coating. This longer-lasting, higher intensity antibacterial coating prevents bacterial growth. A hyper-hydrophilic binder, together with the easy-to wipe flat design of the detector, enhances cleaning and disinfecting protocols.



* Wear and tear, variables in handling, and other conditions, can deteriorate the effectiveness over time.

Advanced image processing

Intelligent feature recognition and 3D structure analysis technology

Virtual Grid

High quality images without a physical grid

Advanced processing simulates scatter clean up without a physical grid, correcting for the effects of scatter radiation while retaining contrast and sharpness. Eliminating the grid improves patient comfort, simplifies positioning and allows as much as 50% lower dose compared to grid exams. Grid cutoff and retakes associated with misalignment of X-ray tube and grid are also prevented. (Option)

Virtual Grid

No Grid | Virtual Grid | Real Grid

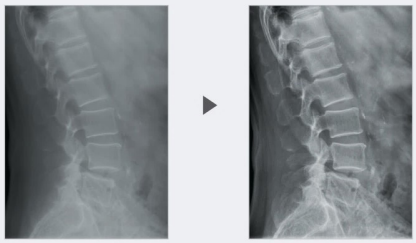
Multiple body parts supported and including barriatrics

Dynamic Visualization II

Intelligent feature recognition technology optimizes image quality

Advanced algorithms optimize contrast and density based on anatomic definition, hardware and thickness characteristics, resulting in outstanding detail and greater window and leveling capability in PACS. (Option)

Dynamic Visualization II



Conventional Processing | Dynamic Visualization II

Specification

	FDR D-EVO III G35 / C35 (14 x 17")	FDR D-EVO III G43 / C43 (17 x 17")
		
Name	FDR D-EVO III System (DR-ID 1800)	FDR D-EVO III System (DR-ID 1800)
Type	Detector with patented ISS (Irradiation Side Sampling) and flexible film-based TFT detector technology	Detector with patented ISS (Irradiation Side Sampling) and flexible film-based TFT detector technology
Scintillator	GOS(Gadolinium oxysulfide) / Csi (Cesium iodide)	GOS(Gadolinium oxysulfide) / Csi (Cesium iodide)
Detector external size	18 x15 x 0.6" approx. (460" x 384" x 15mm)	18 x 18 x 0.6" approx. (460 x 460 x 15mm)
Weight	4 lbs. (1.8 kg) excludes battery	4.6 lbs. (2.1 kg) excludes battery
Pixel pitch	150/100 µm, 16 bits per pixel	150/100 µm, 16 bits per pixel
Pixels	2836 x 2336 pixels	2836 x 2832 pixels
Wireless standard	IEEE 802.11n 2.4 & 5.2 GHz bands, W52/W53/W56/W58	EEE 802.11n 2.4 & 5.2 GHz bands, W52/W53/W56/W58
Image preview	Less than 2 sec	Less than 2 sec
Cycle time	Less than 9 sec (wired) Less than 10 sec (SmartSwitch)	Less than 10 sec (wired) Less than 11 sec (SmartSwitch)
Battery recharging time	Approx. 3 hours (with battery charger) Approx. 4 hours (with Docking Stand)	Approx. 3 hours (with battery charger) Approx. 4 hours (with Docking Stand)
Battery (2 options available) both fit either detector	Standard battery Battery weight approx. 0.48 lbs. (220 g) Performance Standby: approx. 3 hours Sleep mode: approx. 7 hours Deep sleep: approx. 20 hours	Lightweight battery (option) Battery weight approx. 180 g Performance Standby: approx. 2.5 hours Sleep mode: approx. 5.5 hours Extra sleep mode: approx. 16 hours

FUJIFILM PAKISTAN (PVT) LTD.
info@fujifilm.com.pk
www.fujifilm.com.pk

Karachi: 021-34535502-5
Hyderabad: 022-2787277
Sukkur: 071-5628211
Lahore: 042-37237704-5 / 37358496
Faisalabad: 041-8548153
Multan: 061-4543472 / 4545106
Rawalpindi: 051-5130296-98
Sargodha: 048-3768410
Sahiwal: 0404-226375
Peshawar: 091-5278911 / 5261394
Rahim Yar Khan: 068-5877151
Gujranwala: 055-3856479
Quetta: 0312-3482036
Gujrat: 053-3515415
Swat: 0946-721433