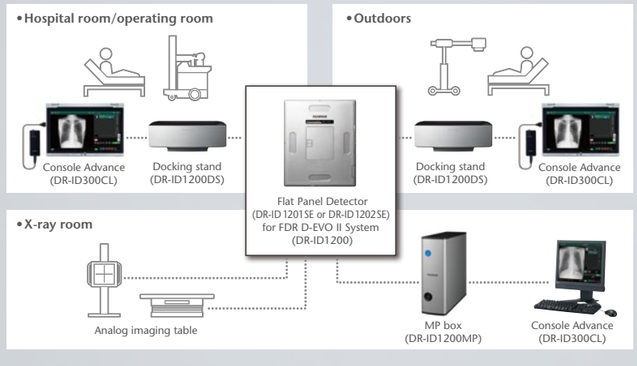
System configuration



"SmartSwitch" Technology

Fujifilm developed a new technology "SmartSwitch" which allows automatic X-ray detection. With "SmartSwitch," FDR D-EVO II no longer requires connection between the X-ray generator and DR power supply unit to automatically detect X-rays and start image creation.

SmartSwitch

Specification

		
Model name	**Flat Panel Detector (DR-ID 1201SE) for FDR D-EVO II System (DR-ID1200)**	**Flat Panel Detector (DR-ID 1202SE) for FDR D-EVO II System (DR-ID1200)**
Type	Cassette size detector with ISS (Irradiation Side Sampling system)	Cassette size detector with ISS (Irradiation Side Sampling system)
Scintillator	GOS (Gadolinium oxysulfide)	GOS (Gadolinium oxysulfide)
Detector external size	460 × 384 × 15 mm (Approx.) [18" × 15" × 0.6"]	460 × 460 × 15 mm (Approx.) [18" × 18" × 0.6"]
Weight	Approx. 2.6 kg [5.7 lbs.] (including battery)	Approx. 3.2 kg [7.1 lbs.] (including battery)
Pixel pitch	0.15 mm	0.15 mm
Pixels	2836 × 2336 pixels	2836 × 2832 pixels
Wireless standard	IEEE 802.11n (2.4 GHz, W52/W53/W56/W58)	IEEE 802.11n (2.4 GHz, 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 9 sec (wired) Less than 10 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 performance	Standby: Approx. 4 hours Sleep mode: Approx. 7 h 30 min Extra sleep mode: Approx. 18 h 30 min	Standby: Approx. 4 hours Sleep mode: Approx. 7 h 30 min Extra sleep mode: Approx. 18 h 30 min

Optional parts


Battery charger


Battery


Fujifilm AP

External appearance and specifications are subject to change without notice.
All brand names or trademarks are the property of their respective owners.
All products require the regulatory approval of the importing country.
For details on their availability, contact our local representative.
Please contact FUJIFILM's authorized distributor for FDR D-EVO II X-ray system.

CE 0123

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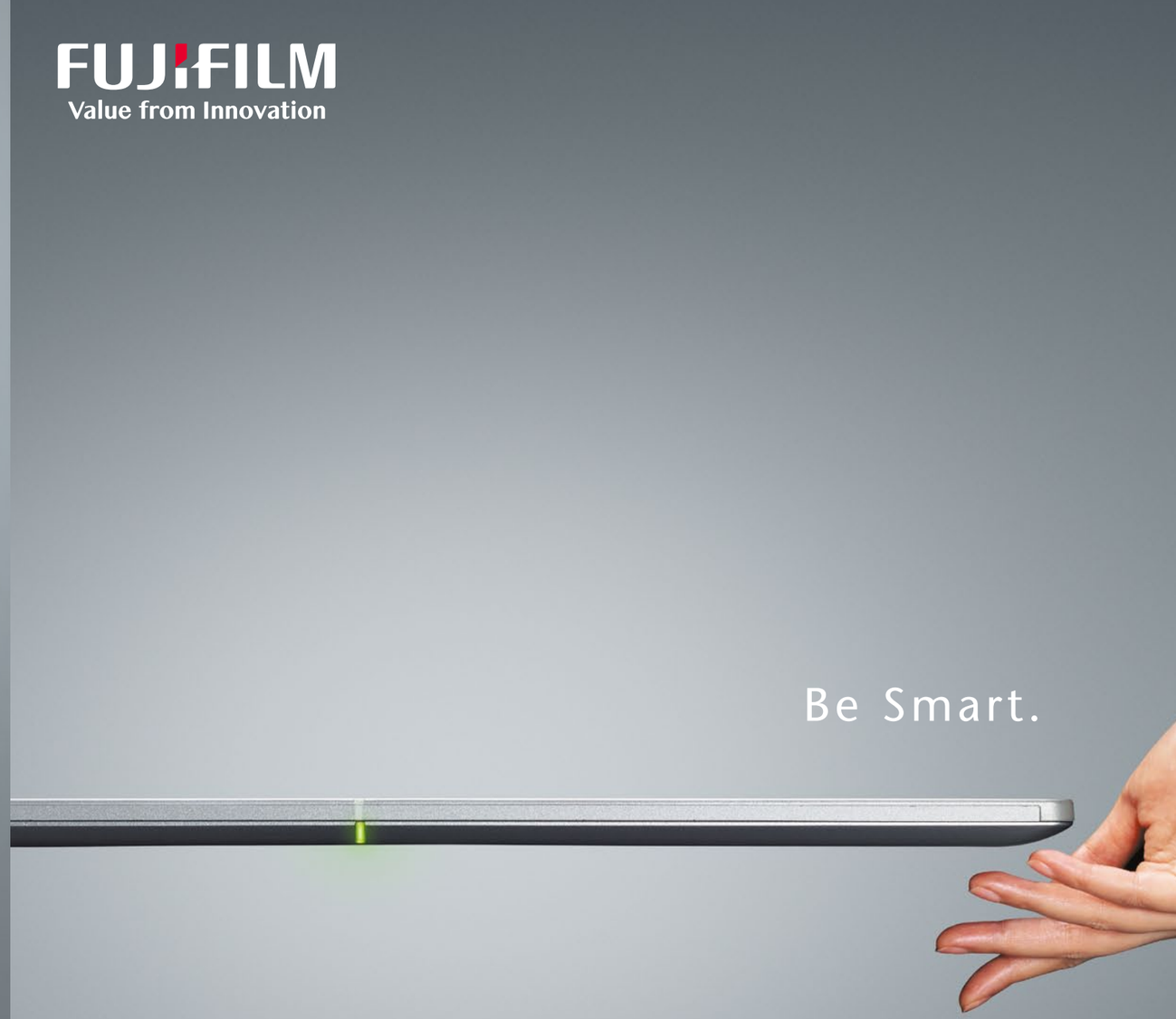
Value from Innovation

Be Smart.



NEW

FDR D-EVO II

G35 | G43

High definition, made smarter.

G35 [14"×17"model]

G43 [17"×17"model]

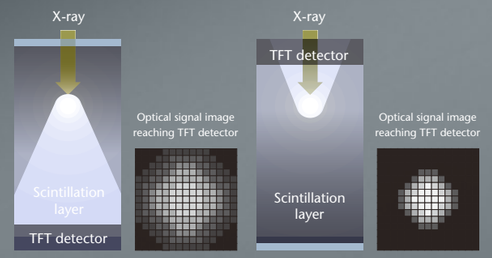
Improved image quality through a noise reduction circuit, and a variety of functions to support imaging. Introducing FDR D-EVO II, now even smarter.

- Designed to be lightweight; only 2.6 kg* with replaceable battery *14"×17"model
- Loaded with internal memory that allows detector-only image storage
- Antibacterial, waterproof, and load resistant performance for peace of mind during use
- LED indicators on detector edge confirm center location and distinguish multiple detectors in department
- The rounded form of the detector edges makes handling and patient positioning easy

Fujifilm's exclusive technology for achieving high resolution and low dosing

1. ISS system reading technology promotes high sensitivity

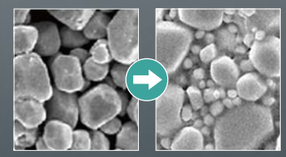
Equipped with an indirect conversion system flat detector display using ISS, which bonds optical sensors (TFT) to the X-ray irradiation side unlike traditional flat detector displays. This greatly suppresses scattering and attenuation of X-ray signals, creating sharp images with low doses of X-rays.



Conventional method　　ISS system reading technology

2. Blending large and small phosphor particles at an optimal ratio

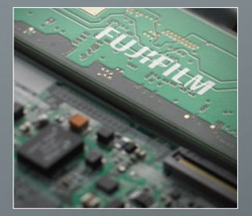
Increased X-ray absorption through our uniquely designed scintillator, which applies photographic film technology to optimize the blending ratio of phosphor particles of different sizes.

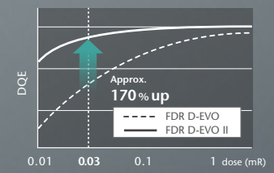


Blending optimally-sized phosphor particles in gaps

3. Fujifilm noise reduction circuit improves detector sensitivity in high absorption regions

The uniquely developed noise reduction circuit reduces noise in the image. It achieves 1.7 times the DQE of existing systems with a 0.03 mR dose. In particular, granularity of low-concentration regions such as the heart and mediastinum is dramatically improved.





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

4. Image processing technology to optimize imaging results

FDR D-EVO II utilizes the latest Fujifilm digital image processing technologies including Dynamic Visualization, which optimizes image display based on monitor characteristics and FNC noise suppression processing that improves image quality, automatically extracting and separating noise components in the image.