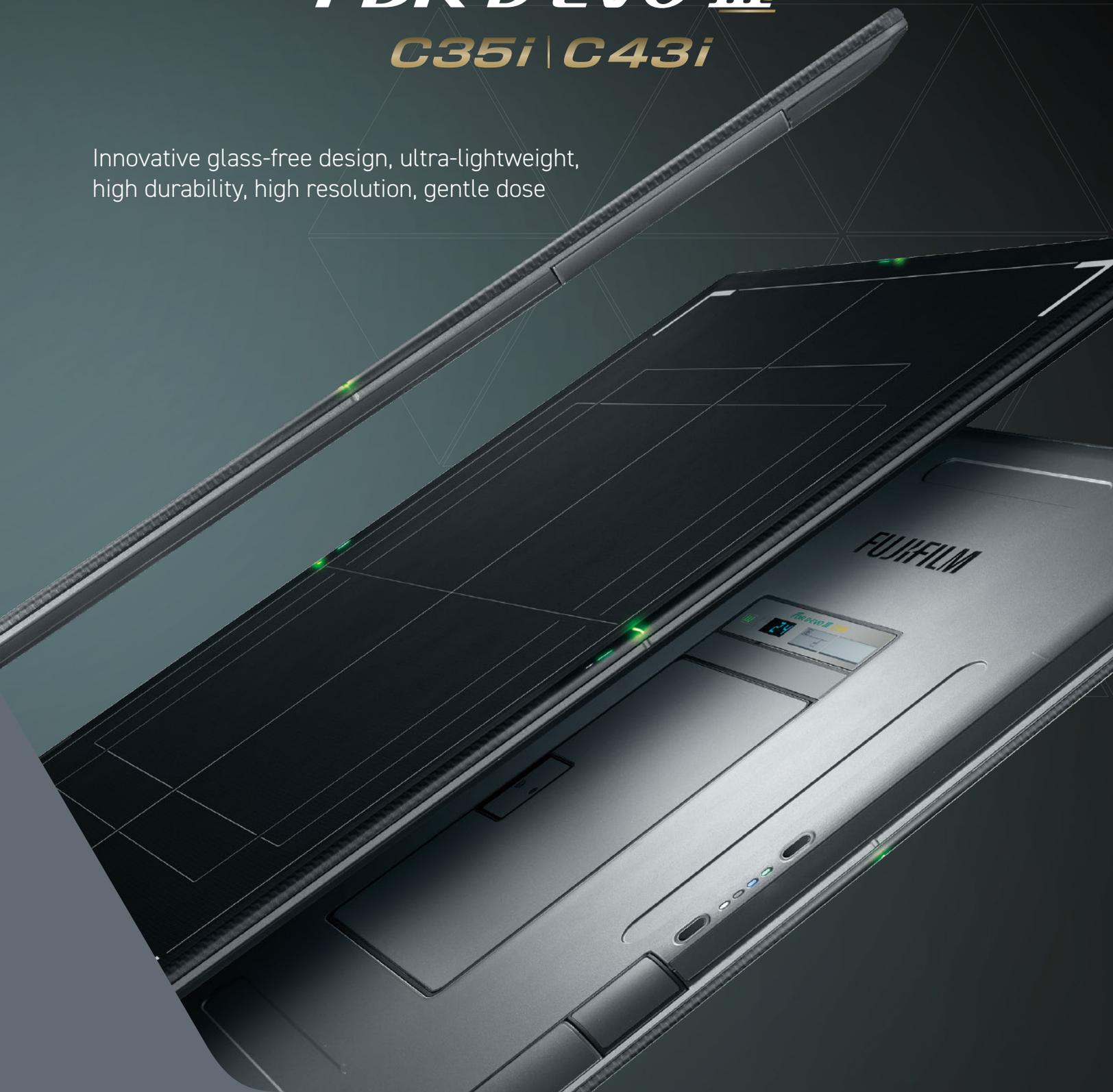


FUJIFILM
Value from Innovation

FDR D-EVO III

C35i | C43i

Innovative glass-free design, ultra-lightweight,
high durability, high resolution, gentle dose



Welcome to the Future of Digital Radiography

Next generation imaging

Innovative glass-free flexible capture circuitry

Replacing conventional glass layer with thin film, FDR D-EVO III achieves higher durability with higher image quality and lower dose.



C35i [14"×17"model]

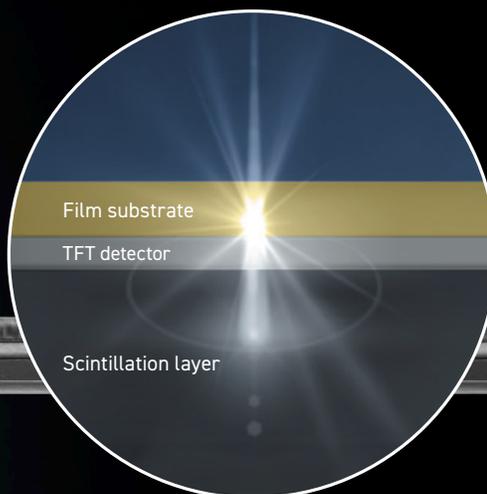


C43i [17"×17"model]

Fujifilm's exclusive technologies achieve high resolution and low dose

Enhanced resolution and 58% DQE through glass-free film-based TFT

58% DQE



Innovative film-based TFT with Patented ISS technology promotes higher sensitivity

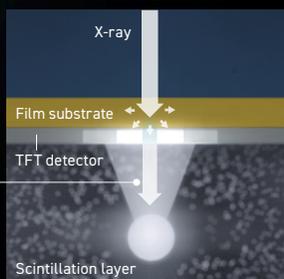
Fujifilm's patented ISS (irradiation side sampling) technology bonds its optical TFT sensors to the patient side of the capture layer (in contrast to conventional designs). This focuses capture where signals are strongest and sharpest, significantly suppressing scatter and attenuation. The result is improved sharpness and dose efficiency for better visualization even at ultra-low dose.

Combining ISS and glass-free film-based capture

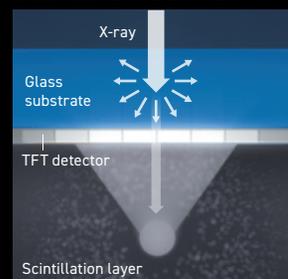
By conversion of the TFT detector from glass- to film-based, X-ray conversion is further improved achieving 58% DQE from 54% (1 Lp/mm - R QA51 mR) compared to prior FDR D-EVO II detector. This unique technology combination is only possible with proprietary ISS technology to fully maximize the benefits of film-based detector technology.

Thin film-based layer reduces X-ray signal attenuation. Providing higher absorption for improved signal sensitivity and dose performance.

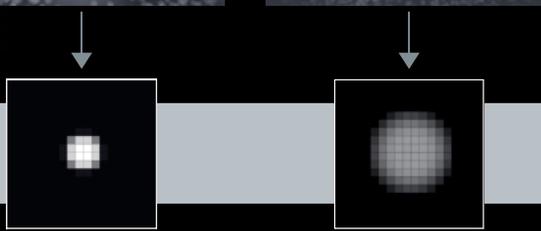
Film-based TFT detector



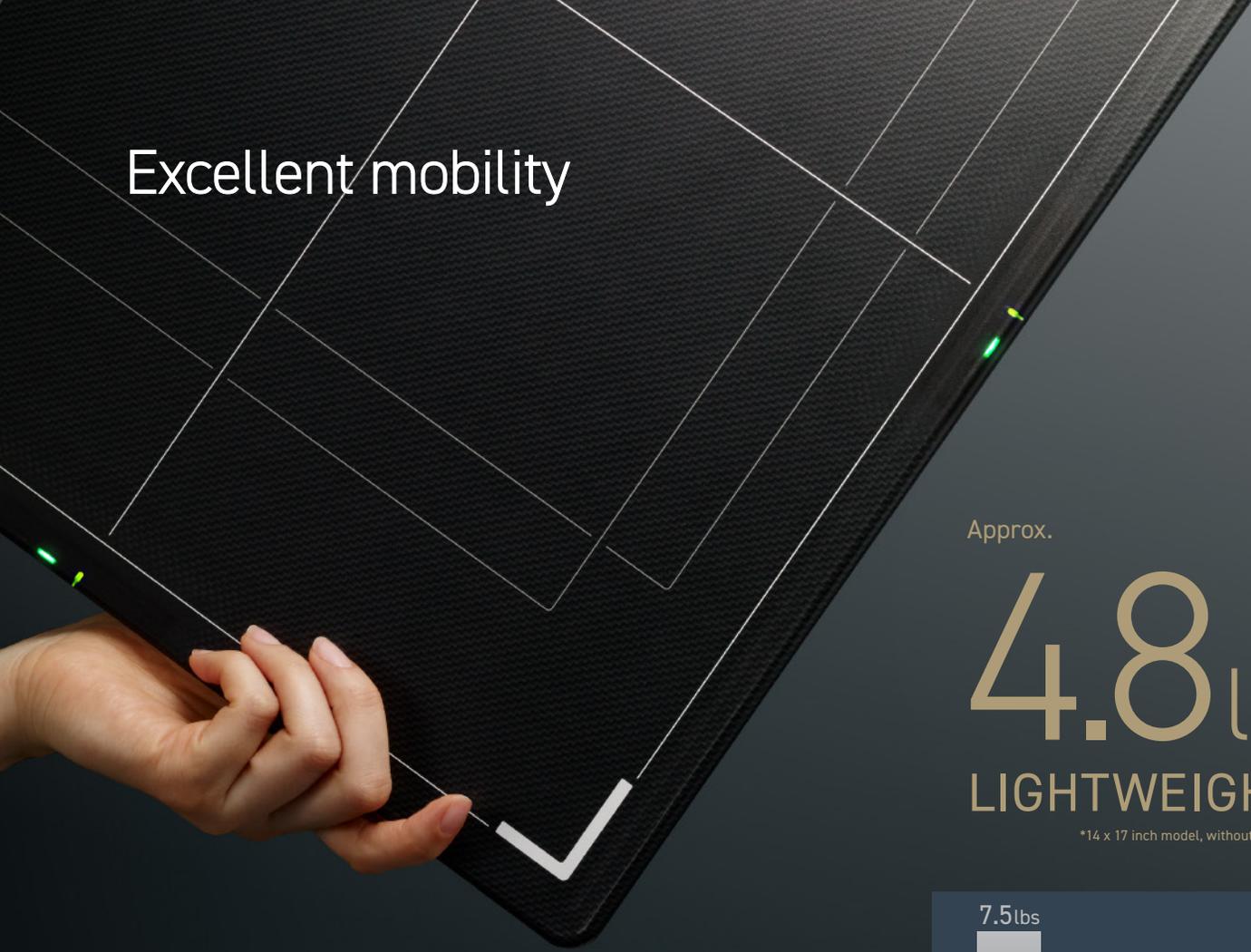
Glass-based TFT detector



Optical signal image reaching TFT detector



Excellent mobility



Approx.

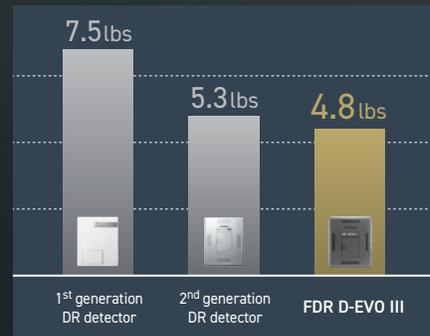
4.8 lbs

LIGHTWEIGHT

*14 x 17 inch model, without battery

Now even lighter

FDR D-EVO III is more portable than ever and simplifies workflow. Replacing the glass-based TFT detector with the thin film-based makes the device significantly lighter, more durable, easier to position and less likely to get dropped.



On-board memory and battery indicators simplify portability and on demand imaging with any x-ray source

Up to 100 images can be stored in internal memory. This along with auto x-ray sensing SmartSwitch allows on demand imaging with other rooms or portables for emergency, critical care and disaster response uses. Digital readout displays the number of images stored and battery indicator displays battery status.



Simplified portability

The mini AP (access point) is no longer needed for FDR D-EVO III. Now remote use imaging can be performed with just the panel and mobile laptop console.



High-Level Protection

Fluid and dust particle protection



Smooth, sealed design prevents infiltration of fluids and dust particles, conforming to IPX6 fluid and IP5X dust ratings. Ensures reliability and safe protection from heavy cleaning and body fluid accidents.

Easy-to-clean smooth, sealed design

FDR D-EVO III features a clean design to simplify wipe downs, prevent infiltration of fluids and accumulation of debris, for safe effective cleaning between exams.

Dust particles

IP5X

Fluid Protection

IPX6

High durability frame structure — 683 lb load capacity

Ultra-lightweight and durable, Magnesium Mg-Li alloy and reinforced internal frame design provides load resistance up to 683 lb, bringing added piece of mind to intense environments.

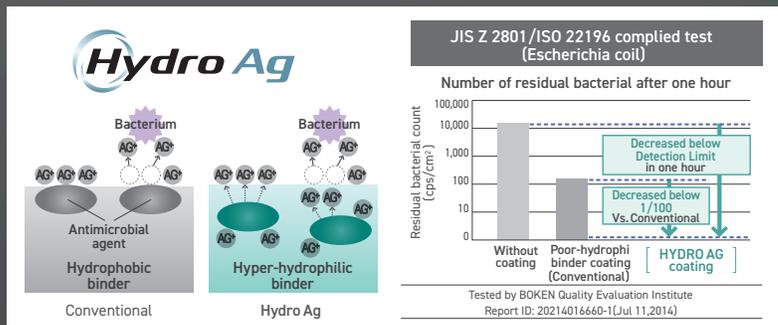
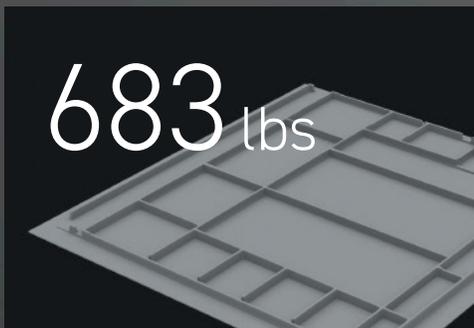
Hydro Ag antibacterial coating

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

Hydro AG coating benefits:

- 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.



Versatile Functionality

LED indicators on the front of detector provide easy visualization for positioning and device status

LED lights on four sides of the detector, provide visual positioning guidance and device information.



1 Centralizing the device and distinguishing devices

Equipped with side-center LEDs on four sides of the detector, for easier positioning of the device during imaging. There are five LED colors (blue, pink, orange, lime-yellow and purple), to distinguish different devices for different colors when using multiple devices, i.e. table, wall stand, rooms, portables.

2 Device status LED turns green

When the device is ready for X-ray exposure, the LED lights up in green.

3 Front side orientation in white

White LEDs identify the top-side and bottom-side of the detector.

Improved insertion under the patient

Tapered outer edges allow easier insertion under the patient and make it easier pick up from flat surfaces. Recessed and padded hand grip areas allow secure grip for positioning and safer handling.



Docking Stand charges and synchronizes detector and status signals

The docking stand works together with the console to display the detector's "Ready" status and confirm correct detector selected (such as table or chest) by matching its glowing LED colors. This simplifies workflow in rooms and uses with multiple detectors.



Peripheral devices for for battery management and system synchronization

Power box, battery charger and docking stand for FDR D-EVO II can also be utilized with FDR D-EVO III, for simplified transition and handling.



Improved Handling

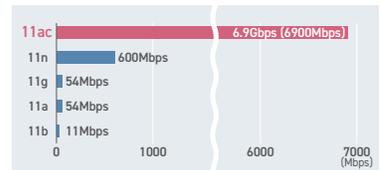
Simple battery replacement

The battery can be replaced with one hand and detector re-starts immediately for simplified battery swaps in seconds..



Expanded wireless for latest high speed and outdoor spectrum's

FDR D-EVO III supports IEEE802.11 ac, the latest high-speed wireless LAN. and is compatible with 2.4GHz and 5GHz (W52/53/56)* making it suitable for outdoor use.



* Wireless bands allowed depend on country and local regulations

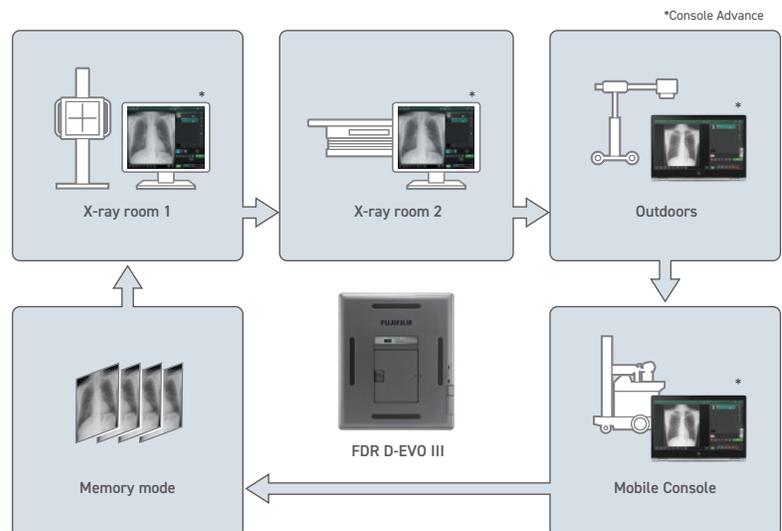
Improved throughput

Image display speed and cycle times are improved by ~1.5 seconds (for wireless), compared to previous FDR D-EVO models.



Easier sharing between systems

FDR D-EVO III enables users to select and switch between systems simply by pressing the button on the back of the panel.



"SmartSwitch" Technology

Fujifilm's "SmartSwitch" technology automatically detects X-rays to start image capture. Eliminating the need for a wired connection to the X-ray generator, allowing use with any x-ray source, room or portable on demand.



Advanced image processing Automated processing simplifies workflow and maximizes image quality

*Image processing is performed at the FDX Console

Virtual Grid

Provides a high quality images without a grid

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



No Grid Virtual Grid Real Grid

Exceptional imaging for all body parts and bariatric images



Abdomen Cervical Spine Thoracic Spine Lumber Spine

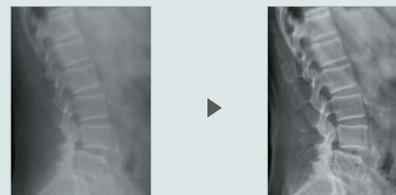
Dynamic Visualization II

Optimizes image quality with intelligent 3D feature and exposure data 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



Conventional Processing Dynamic Visualization II



Conventional Processing Dynamic Visualization II

Specification

	FDR D-EVO III C35i 14x17" (35x43 cm)	FDR D-EVO III C43i 17x17" (43x43 cm)
Product name		
Model name	Flat Panel Detector (DR-ID 1811SE) for FDR D-EVO III (DR-ID 1800)	Flat Panel Detector (DR-ID 1812SE) for FDR D-EVO III (DR-ID 1800)
Type	DR detector with patented ISS (Irradiation Side Sampling) and flexible film-based TFT detector	DR detector with patented ISS (Irradiation Side Sampling) and flexible film-based TFT detector
Scintillator	CsI (Cesium iodide)	CsI (Cesium iodide)
Detector external size	460 × 384 × 15 mm (Approx.) [18" × 15" × 0.6"]	460 × 460 × 15 mm (Approx.) [18" × 18" × 0.6"]
Weight	Approx. 4.8lbs. (2.2kg) (excludes battery)	Approx. 5.7lbs. (2.6kg) (excludes battery)
Pixel pitch	0.15 mm	0.15 mm
Pixels	2836 × 2336 pixels	2836 × 2832 pixels
Wireless standard	IEEE 802.11n, IEEE 802.11ac (2.4GHz, W52/W53/W56)	IEEE 802.11n, IEEE 802.11ac (2.4GHz, W52/W53/W56)
Image preview	Less than 2 sec (wired/wireless)	Less than 2 sec (wired/wireless)
Cycle time	Less than 5 sec (wired/wireless) Less than 5 sec (SmartSwitch)	Less than 5 sec (wired/wireless) Less than 5 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	Battery Pack Battery weight approx. 220 g performance Sleep mode: Approx. 8 hours Extra sleep mode: Approx. 20 hours	Battery Pack S Battery weight approx. 180 g performance Sleep mode: Approx. 6.5 hours Extra sleep mode: Approx. 16 hour

Optional parts



MP box

Docking stand

Power-Box

Battery charger

Battery Pack

Battery Pack S



FDR D-EVO III C25i
10x12" model also available

·External appearance and specifications are subject to change without notice. ·All brand names or trademarks are the property of their respective owners.

FUJIFILM Healthcare Americas Corporation

81 Hartwell Avenue, Suite 300, Lexington, MA 02421
www.fujifilmusa.com 800.431.1850

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