

Advanced image processing

*These image processing is achieved with Console Advance.

Virtual Grid

Provides a high quality image without using a grid

Virtual Grid processing corrects for the effects of scatter radiation. Without the need for a grid, Virtual Grid retains high contrast and image sharpness, while preventing the asymmetric density resulting from misalignment of X-ray tube and detector. (Option)



Virtual Grid



No Grid

Virtual Grid

Real Grid

Multiple body parts supported



Abdomen

Cervical Spine

Thoracic Spine

Lumbar Spine

Dynamic Visualization II

Optimizes image quality using latest Exposure Data Recognizer

Advanced recognition algorithms automatically adjust contrast and density for individual body parts based on calculation of estimated 3D image data. (Option)



Dynamic Visualization II



Conventional Processing



Dynamic Visualization II



Conventional Processing

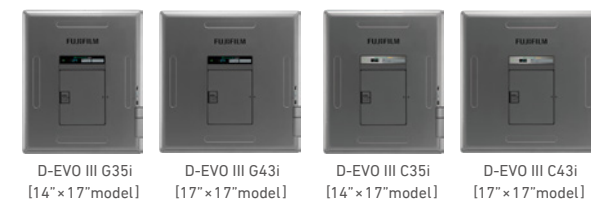


Dynamic Visualization II

Specification

Product name	FDR D-EVO III C25i	
Model name	Flat Panel Detector (DR-ID 1814SE) for FDR D-EVO III System (DR-ID 1800)	
Type	Cassette type detector with ISS (Irradiation Side Sampling) and flexible film-based TFT detector	
Scintillator	CsI (Cesium iodide)	
Detector external size	333 × 282 × 15 mm (Approx.) [13" × 11" × 0.6"]	
Weight	Approx. 1.4 kg (excludes battery pack)	
Pixel pitch	0.15 mm	
Pixels	1648 × 19806 pixels	
Wireless standard	IEEE 802.11n, IEEE 802.11ac (2.4GHz, W52/W53/W56)	
Image preview	Less than 2 sec (wired/wireless)	
Cycle time	Less than 7 sec (wired/wireless) Less than 8 sec (SmartSwitch)	
Battery recharging time	Approx. 3 hours (with battery charger) Approx. 4 hours (with Docking Stand)	
Battery	Battery Pack Battery weight approx. 220 g	Battery Pack S Battery weight approx. 180 g
	performance Sleep mode: Approx. 8 hours Extra sleep mode: Approx. 20 hours	performance Sleep mode: Approx. 6.5 hours Extra sleep mode: Approx. 16 hours

FDR D-EVO series Can be used in combination



Optional parts



•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 flat panel detector system.



Smaller size. No compromise.

Next generation imaging

A 25 × 30 cm glass-free flexible sensor

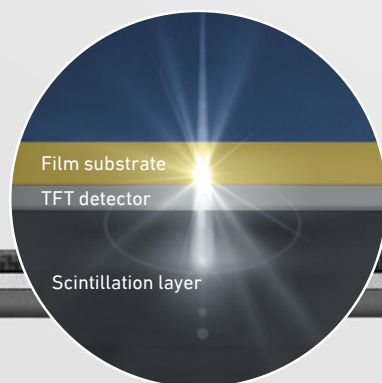
Panel size

10 × 12 inch

Weight approx. 1.4 kg *without the battery

High quality image & Low Dosing

DQE 58%

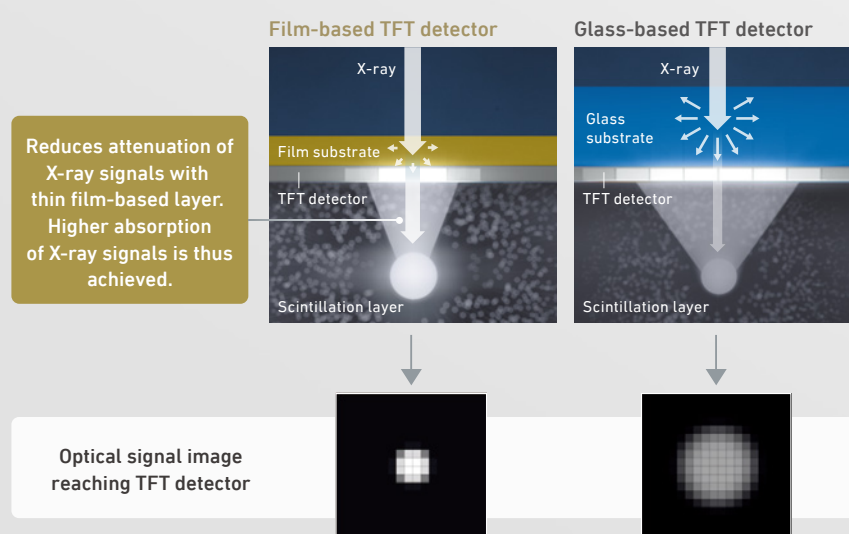


ISS system reading technology promotes higher sensitivity

Like FDR D-EVO II, FDR-D-EVO III is Equipped with an indirect conversion system called the ISS method which bonds optical sensors (TFT) to the X-ray irradiation side unlike traditional flatpanel detectores. This greatly suppresses scattering and attenuation of X-ray signals, creating a sharp image with low X-ray dose.

Synergism between ISS method and flexible film-based TFT detector

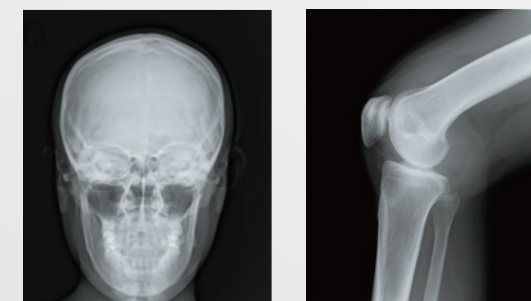
By changing the TFT detector of FDR D-EVO III from glass-base to film-base, X-ray transmittance is improved compared to FDR D-EVO II. FDR D-EVO III achieved DQE 58% from 54% (1 Lp/mm - RQA5 1 mR) by applying a flexible film to a base of the device detector. This unique technology combination is only possible with proprietary ISS technology to fully implement the benefits of film-based detectors.



Mini & Flexible size

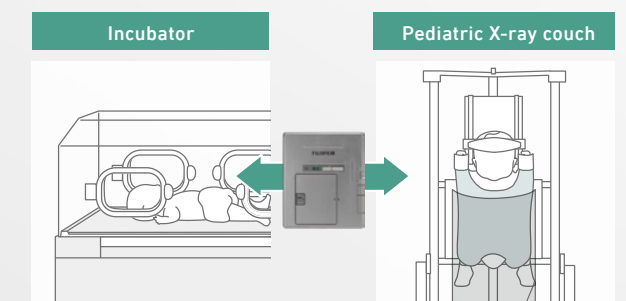
A size suitable for use in orthopedics and pediatrics

The 25 × 30 cm cassette size widely used in radiography is adopted to open up even more possibilities for X-ray imaging in fields such as orthopedics and pediatrics.



Improved compatibility with peripheral equipment such as incubators

Imaging proceeds smoothly with the device linked with existing peripheral devices, such as incubators and pediatric X-ray couches.



High-Level Protection

Dust-proofed IP5X

Waterproofed IPX6

Waterproofed and dust-proofed

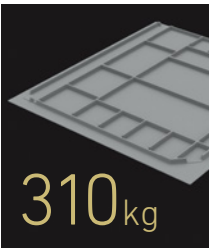
Structured to prevent the infiltration of liquids, the device conforms to IPX6 and can withstand jets from any direction*. There is no need to worry for fluid permeation inside the device caused by fluid like blood or vomit. The device also complies with IP5X for dust-proof structure, preventing malfunction caused by small particles*.



*These effects cannot always be guaranteed in the future for its product characteristics.

High durability frame structure

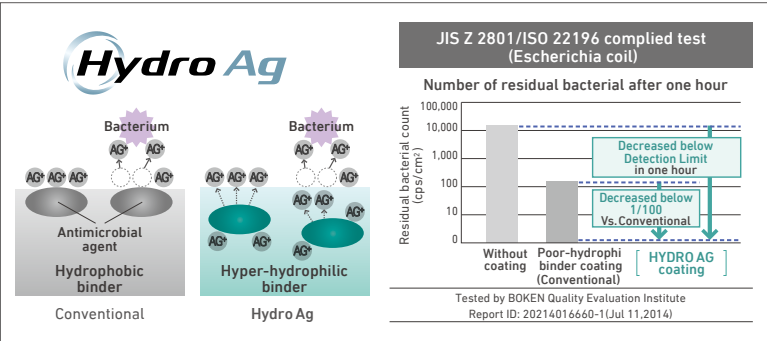
Forging frames constructed with Mg-Li alloy provides robust protection for internal devices, while maintaining a lightweight design. With this technology, FDR D-EVO III has a 310kg load capacity.



Hydro Ag antibacterial coating

The FDR D-EVO III detectors are coated with Hydro Ag antibacterial coating, which has an antibacterial effect 100 times greater than that of conventional Ag coatings*. This longer-lasting higher intensity antibacterial effect prevents bacterial growth. A hyper-hydrophilic binder allows easy cleaning and hygienic use, together with the easy-to wipe flat design of the detector.

* Due to the characteristics of the product, the effect is not guaranteed in the future.



Easy-to-clean flat shape

The FDR D-EVO III introduces a flat design and reduced contours, promoting easier and more efficient cleaning.

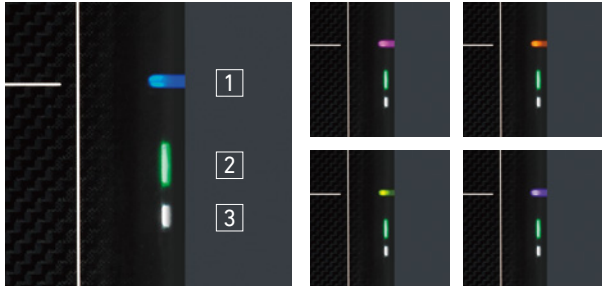
Versatile Functionality



Peripheral devices for effortless handling
Battery charger, docking stand, power supply unit and power box for FDR D-EVO II can also be operated with FDR D-EVO III, for improved usability and easier handling.

LED lamps on the front of device for better visualization

LED lamps are equipped on four sides of the front of the detector, for a visual assistance.



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.

2 Device status displayed in green

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

3 Front side identification in white

It lights up in white to identify the top-side and bottom-side of the detector.

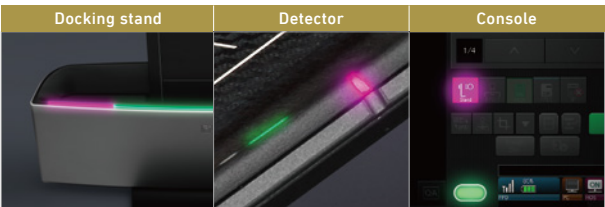
Internal memory for independent imaging Easy-to-read battery status display

Up to 100 images can be stored in the panel's internal memory. The LED display shows the number of stored images along with the battery status. You can check that information even when the panel is being used on its own.



Works together with the console to display the detector status

The docking stand works together with the console to display the detector's "Ready" status and identify color using the LEDs. This makes it easy to check the current state of the detector even from far away.

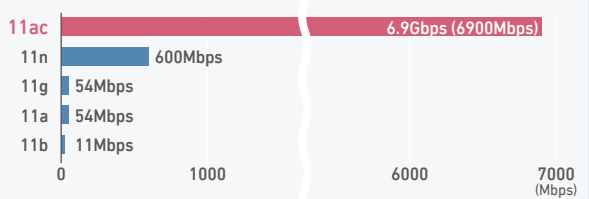


Improved Handling

Suitable for outdoor use with an expanded spectrum

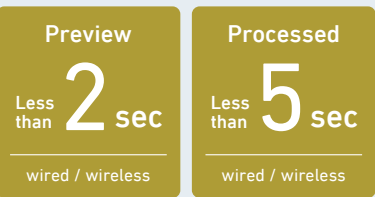
FDR D-EVO III is compatible with 2.4GHz and 5GHz (W52/53/56)* spectrum, making the device suitable for outdoors use. Also, the device supports IEEE802.11 ac, the new high-speed wireless LAN.

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



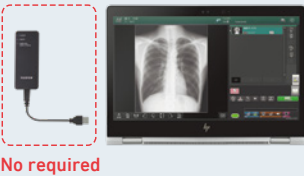
Improved throughput

Image display speed and cycle time has been improved approximately by 1.5 seconds when wirelessly connected, as compared to our previous FDR D-EVO models.



Small AP is no longer required

The small AP required for previous mobile solution is not necessary for the FDR D-EVO III. With just the panel and mobile console, high mobility can be achieved.



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

