



THE
IMAGING
SOLUTIONS COMPANY

FUJIFILM
Value from Innovation

FDR D-EVO III

G80i

World's lightest long length DR detector with patented ISS and Hydro AG antibacterial coating

Light, Easy Positioning,
Fast Exams, Enhanced
Patient Experience



Simplify workflow and enhance patient experiences with lightweight, wireless portability and single exposure long length views.

Single exposure and easy positioning

Shortens acquisition time to minimize discomfort for better patient experiences

FDR D-EVO III G80i's 17×32" field of view simplifies positioning for a variety of patient and anatomy sizes.

Workflow is enhanced by capturing the entire whole spine and other long views in a single exposure. Instant capture reduces chances for patient motion artifacts and retakes compared to multi-exposure DR imaging.



field of view
17×32"
detector weight
11.5lbs.
*±10%, excludes battery

Excellent Mobility

Lightweight, thin design allows easy handling and positioning. Significantly lighter, more rugged, and less likely to get dropped. Its light portability and wireless battery operation also makes it easy to carry and move from room to room on demand.



Flexibility for OR and ER

The long wide field of view simplifies trauma imaging in the ER and surgery use. FDR D-EVO III G80i can be used pre-, intra-, and post- surgery for precise verification of planning, measurements, hardware alignments, angles, counts and more. Wireless connectivity to the console eliminates cords for safer, easier workflow in tight OR and ER environments. Hydro AG protective antibacterial coating assists in infection controls and sterile field uses.



Upright, Supine and Cross Table Long Length Imaging

- Scoliosis, long leg and more
- Single exposure - less time for patients in pain to hold still and less chances of motion related retakes
- Optional positioning stands accommodate exam preferences



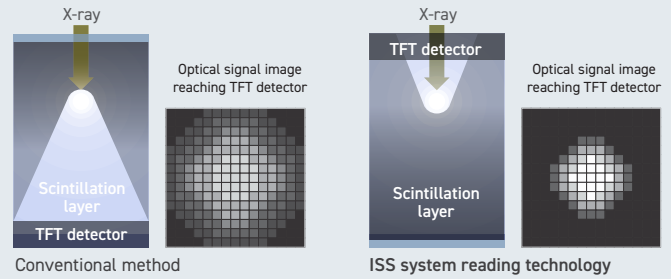
Real-time OR Benefits

- Speed procedures
- Simplify accuracy & measurements
- Confirm alignment and angles
- Verify hardware placement & counts

Advanced capture technologies deliver high sensitivity capture for low dose efficiency

Fujifilm's Patented ISS capture technology promotes high sensitivity

Fujifilm's Irradiated Side Sampling (ISS) technology positions its capture electronics (TFTs) at the irradiation side, in contrast to traditional TFT detector detectors. This design coupled with special noise reduction circuitry significantly suppresses scattering and attenuation of X-ray signals, improving efficiency to produce sharper images at lower doses compared to traditional designs and achieve DQE of 31% (1 Lp/mm, 1 mR).



Advanced image processing delivers high resolution at very low patient dose

Virtual Grid

Provides 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)

Use of Virtual Grid with long length imaging may not be recommended for larger patients or anatomy unless the X-ray irradiation field is limited to 17 x 17 inches or less.



Without Grid



Virtual Grid



Real Grid

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)



Conventional Processing



Dynamic Visualization II

Versatile Functionality

LED indicators provide easy visualization for positioning guidance and device status information at a glance, even from a distance



1 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 Exposure ready light turns green when ready to capture an image.

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

Internal memory for urgent use 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, allows on demand imaging with other rooms or portables for emergency, trauma and disaster response uses. Digital readout displays current image number and total images stored.



Easy-to-read battery status display

LED battery level indicator provides easy visibility of battery status at a glance.



Simplified portability

Remote imaging can be performed with just panel and FDX Console (or mobile console).



Easy sharing between systems

FDR D-EVO III G80i 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 enables automatic X-ray detection, eliminating the need for a wired connection to the X-ray generator. This allows image capture with any x-ray source on demand and simplifying use with other rooms or mobiles.



*FDX Console

High-Level Protection

Fluid Protection

Smooth, sealed design provides IPX3* protection rating. Ensures reliability and protection from heavy cleaning and body fluid accidents to safely handle critical care and sterile field uses.

*Full rating cannot be guaranteed long term due mechanical characteristics, care and handling.

Hydro Ag antibacterial coating



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

* Based on residual bacteria counts.

Benefits Achieved

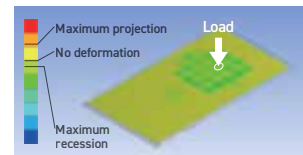
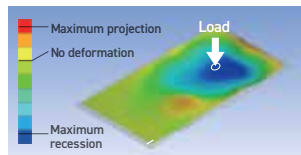
- 99.99% effective against most common bacteria
- 100 times more effective than traditional silver ion coatings*
- 10,000 times more effective than surfaces with no coating*

Protective Weight Bearing Cover

Since FDR D-EVO III G80i is nearly twice the size of conventional detectors, additional protection is required to prevent potential point and distributed load deformations. For maximum protection in weight bearing exams, a lightweight protective cover is available to increase distributed load resistance up to 750 lbs and point loads to 300 lbs.



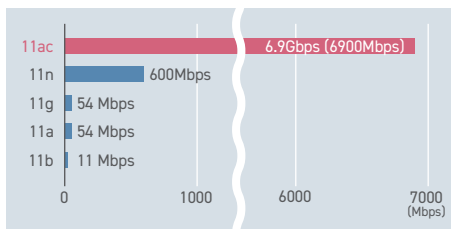
Weight bearing Protective Cover



Specifications

Expanded wireless for high-speed spectrum's

FDR D-EVO III G80i supports IEEE802.11ac, the high-speed wireless LAN. And is compatible with 2.4GHz and 5GHz (W52/53/56) making it suitable for outdoor use.



Improved throughput

Image display and cycle times are ~2.5 seconds faster than prior models with wireless LAN to further speed procedure times.

Preview less than **2.5** sec (wired/wireless)

Processed less than **7.5** sec (wired/wireless)

Accessories

Articulating Positioning Stand (traditional & surgical exams)



Mobile Articulating Stand

- upright & angled upright
- cross table
- supine



Mobile Upright Stand

- upright & angled upright
- cross table



Options



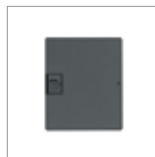
MP box (DR-ID 1200MP)



Power-Box (DR-ID 1200PB)



Battery charger (Li-ion Battery charger)



Battery Pack (Li-ion Battery [125Y200038])



Grid 8:1, 103 LPI



Weight Bearing Cap 300 lbs point load, 750 lbs distributed



EX-Mobile (EX-M1) GPU
*will be made available in the US upon completion of regulatory requirements

Specification

Product name	FDR D-EVO III G80i
Model name	Flat Panel Detector (DR-ID 1836SE) for FDR D-EVO III System (DR-ID 1800)
Type	DR detector with Patented ISS (Irradiation Side Sampling) and glass-based TFT detector
Scintillator	GOS (Gadolinium oxysulfide)
External dimensions	~33.4 × 18.1 × 0.6" (850 × 460 × 15 mm)
Weight	~11.5 lbs (5.2 kg) excludes battery
Weight Resistance	88 lbs point load, 683 lbs distributed
Pixel pitch / Pixels	Pixel size 150µm / 5,376 × 2,832 pixels
Field of View	16.7 × 31.8"
Wireless standard	IEEE 802.11n, IEEE 802.11ac (2.4GHz, W52/W53/W56)
Image preview	Less than 2.5 sec (wired/wireless)
Cycle time	Less than 7.5 sec (wired/wireless) Less than 10 sec (SmartSwitch)
Battery recharging time	Approx. 3 hours (with battery charger)

Battery Pack	Battery weight: ~0.48 lbs (220g) Performance:
	• ~2.5 h (Approx. 90 exposures / 2.5 h)
	• ~1.5 h (when the Automatic X-ray Detecting Function is "ON")
	• Standby: 3 hours

*Appearance and specifications are subject to change without notice.
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