

Fujifilm **Pediatric Solutions**

Unique solutions for the
world's most **unique patients**



Five Unique Pediatric Benefits

Pediatric patients deserve **unique pediatric care**. That's why our focus is on sharper images and gentler dose—as well as everything you need to present and protect your data.



Proven Safety

- **Ensure gentle dose** without sacrificing image quality.
- **Eliminate grids** to reduce dose and retakes.
- **Help improve infection control** with exclusive antibacterial coating.*



Advanced Precision

- **Improve diagnostic certainty** with enhanced image clarity, sharpness, and contrast.
- **Suppress noise in images without losing sharpness** and detail with advanced noise reduction circuitry.
- **Deliver images with as much as 20% greater dose efficiency** than traditional detectors with patented ISS technology.



Enhanced Comfort

- **Calm patients** and parents with kid-friendly graphics.
- **Maximize comfort and minimize disturbance** with thin detectors that have tapered edges and are just the right size.
- **Speed exams and reduce the potential for retakes** with single-exposure, long-length detectors.



Specialized Presentation

- **Improve patient care** with automated study and image notifications, acquiring only the images needed and reducing retakes.
- **Empower radiologists and technologists** to save time through simultaneous, real-time image collaboration and chat.
- **Utilize interruption workflows** to enable auto saving of exams, snapshot features, and to easily create and access interesting case collections.
- **Access the child's holistic imaging record** across the health network with a seamless global worklist.



Trusted Protection

- **Capture, segregate, and manage data** to safeguard images from the most sensitive areas.
- **Facilitate real-time image collaboration** with physicians, parents, and specialists.
- **Present the entire imaging record** securely through the EHR with a single enterprise viewer.
- **Anonymize and segregate sensitive data** for specific storage requirements.



*Reduction in colonization or bacterial growth on the device has not been shown to correlate with a reduction in infections in patients. Clinical studies to evaluate reduction in infection have not been performed.

Safety. Precision. Comfort. Presentation. Protection.

It's everything you expect in a pediatric solution, and exactly what we provide.

FDR D-EVO II

digital x-ray detector

Our most durable and reliable DR detector features CsI and delivers improved diagnostic certainty with enhanced image clarity, sharpness, and contrast—and **lower, more gentle dose—for the smallest and most sensitive of patients.**

Proven Pediatric Performance

Reduced Dose and Retakes

Patented Irradiated Side Sampling (ISS) technology delivers images with as much as 20% greater dose efficiency (lower dose) than traditional detectors.

Virtual Grid™ intelligent image processing replaces the use of a grid to enhance image contrast and clarity while reducing dose by as much as 50% compared to exams performed with a real grid, preventing retakes associated with grid use.

Comfort and Safety

24x30cm is an ideal size for isolettes in the NICU, maximizing patient comfort and minimizing disturbance. Unlike other 25x30cm and 10x12 inch detectors, FDR D-EVO II's size is specifically designed to fit perfectly into all neonatal trays.

Hydro AG Antibacterial Coating provides an added safety measure against hospital acquired infections (HAIs) with 99.99% effectivity against the most common bacteria.* FDR D-EVO II is the first and only detector in the world with an antibacterial coating. Hydro AG is Fujifilm's exclusive patented nano coating that uniquely regenerates germ-killing silver ions when stimulated by moisture.

Precision

Dynamic Visualization enhances visualization of the entire image, intelligently compensating for anatomy, hardware, and patient thickness, dynamically extending visibility, and maximizing contrast recognition throughout the image.

Noise Reduction Circuitry suppresses noise in images without losing sharpness and detail, which is especially useful in ultra-low dose imaging.

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Available in 24x30cm,
14x17 and 17x17 inch sizes



FDR D-EVO GL

digital x-ray detector

The world's first and only single-exposure, long-length DR detector increases safety and comfort through faster image acquisition and **low, gentle dose for the youngest and most vulnerable patients.**

Proven **Pediatric Performance**

Reduced Dose and Retakes

Patented Irradiated Side Sampling (ISS) technology delivers images with as much as 20% greater dose efficiency (lower dose) than traditional detectors.

Virtual Grid™ intelligent image processing replaces the use of a grid to enhance image contrast and clarity while reducing dose by as much as 50% compared to a real grid* and eliminating positioning constraints and retakes associated with a real grid.

Comfort and Safety

The unique 17x49" size expands the field of view width by 3 full inches, reducing the need for retakes due to anatomy cutoff and making it ideal for scoliosis and long-leg exams.

Single exposure acquires the full image in seconds, reducing the time needed for the patient to remain standing still and the likelihood of motion-induced artifacts.

Precision

Noise Reduction Circuitry suppresses noise in images without losing sharpness and detail, which is especially useful in ultra-low dose imaging.



*Consult user manual for patient parameters when using FDR D-EVO GL with Virtual Grid.



portable digital x-ray system

FDR Go's compact design is smooth and speedy, making it one of the world's quietest and most agile mobile x-ray platforms—and **a reliable ally when treating young patients.**

Proven **Pediatric Performance**

Safety and Reduced Retakes

Images are captured and displayed in seconds at the patient's bedside, virtually eliminating patient movement.

Comfort and Convenience

Kid-friendly graphic decals that calm and bring a smile to both patients and parents are available.

Compact design makes it ideal for navigating busy environments and tight spaces (e.g., ER, OR, NICU, bedside).

Features

- Large 17-inch display
- System inching movement controls at the tube head
- Small tube design
- Tall long reach
- PIC line and specialized views
- RIS and PACS shortcuts
- Customizable automated pediatric/adult menus
- Dose calculation display
- Storage for wipes
- Detector bagging areas
- Smart-system sleep
- Standby and charging mode



FDR AQRO

portable digital x-ray system

A revolutionary compact, portable digital x-ray system with **ultra-low dose and impeccable maneuverability for the tightest of spaces** and easy in-department storage for on-demand availability.

Proven **Pediatric Performance**

Safety and Reduced Dose

FDR AQRO combines the best of Fujifilm's latest advancements and core dose-saving technologies, enabling the acquisition of exceptional images at gentle dose.

Hydro AG Antibacterial Coating provides an added safety measure against HAIs with 99.99% effectivity against the most common bacteria.* Hydro AG protection is included on the primary surfaces of the FDR AQRO, in addition to the FDR D-EVO II detector. FDR AQRO also features a clean wipe-down design with less cords.

On-Site Convenience and Comfort

Light, compact, maneuverable design with a small body, special nano tube head, and a cord-free tube column delivers amazing fit and is easy to transport in busy and sterile environments.

Dedicated, in-department use for immediate availability and increased control, helping prevent germs travelling from other departments (e.g., NICU, ICU, PICU, OR, ER).

Kid-friendly graphic decals that calm both patients and parents are available.

Features

12-hour battery life with a 15-minute quick-charge for 1 full hour of use and full plug-in usability.

On-board detector charging, synchronization, and a tilting bagging slot.

Full-feature workstation

- Customizable automated pediatric and adult menus
- PIC line and specialized views
- RIS and PACS shortcuts
- Dose calculation display
- Storage for wipes



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SYNAPSE[®] Enterprise Imaging

Fujifilm's Enterprise Imaging solutions enable secure and holistic access to pediatric imaging data and records.

Specialized **Pediatric Presentation**

Improve patient care with automated study and image notifications, acquiring only the images needed and reducing retakes.

Empower radiologists and technologists to save time through simultaneous, real-time image collaboration and chat.

Utilize interruption workflows to enable auto saving of exams and snapshot features and easily create and access interesting case collections.

Access the child's holistic imaging record across the health network with a seamless global worklist.

Develop the design and enable surgeons to plan pre-operatively—long before the child's procedure.

Synapse 5 PACS

is a next-generation secure server-side technology that enables instant access to massive datasets using the most popular browsers with at least half the bandwidth throughout the enterprise.

▶ Learn more today.

Synapse VNA (Vendor Neutral Archive)

is designed for true imaging interoperability, providing secure, easy-to-manage storage and access to the complete patient imaging record—while linking all HIT systems.

▶ Learn more today.

Trusted **Pediatric Protection**

Facilitate real-time image collaboration with physicians, parents, and specialists.

Present the entire imaging record securely through the EHR with a single enterprise viewer.

Anonymize and segregate sensitive data for specific storage requirements.

Secure all patient images and information centrally in the data center.



Synapse Cardiovascular

is at the heart of your cardiology department—growing with your patients and providing imaging review, measurement analysis, and advanced reporting—from Fetal to Pediatrics and through adulthood.

▶ Learn more today.

Synapse 3D

applications are designed in collaboration with radiologists, cardiologists, surgeons, and other specialists to produce clinical solutions relevant to individual patient care.

▶ Learn more today.

Unique Solutions for the World's Most **Unique Patients**

“Due to the sensitivity of the babies in the NICU, we want to remove them from the isolettes only when necessary. The [24x30 D-EVO] plate fit perfectly, and the image quality we were shown was fantastic...**It's a huge advantage** to be able to bring that to the bedside—we disturb the babies so much less than we would otherwise.”

– **Kari Kunze**, Radiology Supervisor at Children's Hospital & Medical Center in Omaha

“We were pleasantly surprised that our **biggest [dose] reduction was from FDR Go** [approximately 50 percent in the move away from CR to Fujifilm's portable DR system.]”

– **Troy Nelson**, Radiology Director at Children's Hospital at OU Medical Center in Oklahoma City



Learn how **Fujifilm Pediatric Solutions** can improve performance in your organization.

If you would like to schedule a product demonstration or have a representative contact you, please click here.

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Value from Innovation