

# At the heart of the fight against COVID-19



**FDR GO PLUS**  
Portable X-ray System



Virtual Grid



Dynamic  
Visualization II



Technology



Infection Control

## At the Heart of the Fight Against COVID-19: Fujifilm's FDR Go PLUS Portable X-ray System

The spread of the highly contagious coronavirus (COVID-19) has placed hospitals and healthcare systems worldwide under extraordinary strain. For this reason, FUJIFILM Medical Systems U.S.A., Inc., a leading provider of diagnostic imaging products, has been working around the clock to provide frontline healthcare professionals with the innovative technology they need to help counter the COVID-19 pandemic and enhance patient care.

Leading public health agencies, like the World Health Organization, have cited the unprecedented demand in chest imaging with portables in the diagnosis and management of COVID-19 patients. And while there is a lengthy list of necessary medical equipment to help manage individuals infected with the coronavirus, clinicians are finding that portable X-ray imaging is an effective and reliable technology in the monitoring of progression of the disease and care for these patients. The spikes in patient caseloads, brought to light shortcomings of existing fleets, in shortages of a number of dedicated devices and age or functionality. In order to better prepare for future spikes or viruses, many hospitals are taking a closer look at updating their portables.

*Today, Fujifilm's FDR Go PLUS portable digital radiography system is helping healthcare providers around the world in the fight against COVID-19 with one of the market's smallest, quietest, and most agile full-size portables.*

The FDR Go PLUS helps optimize workflow, minimize patient disturbance and gives physician's exactly what they need for the most challenging bedside exam.

For more information on FUJIFILM Medical Systems U.S.A., Inc.'s FDR Go PLUS, visit <https://www.fujifilmhealthcare.com/digital-radiography/mobile-dr-systems/fdr-go-plus> or contact Dawn Donley at [dawn.donley@fujifilm.com](mailto:dawn.donley@fujifilm.com) or call 203-951-8691.

To learn more about other ways Fujifilm is helping to combat the pandemic visit [covid19.fujimed.com](https://covid19.fujimed.com)

### Portable Imaging Allows Safe Efficient Patient Care Anywhere

Portable imaging gives the flexibility to bring the X-ray exam to the patient bedside, whether their bed is in a convention center, intensive care unit (ICU), or on a ship. In the Radiological Society of North America's (RSNA) "Radiology Preparedness for COVID-19 Pandemic" report, the nonprofit encourages the use of portable imaging whenever possible to help prevent the spread of infection in the hospital.

Fujifilm's FDR Go PLUS's lightweight and compact design ensures seamless maneuverability even in the most confined spaces. Its unique compact tube head design with long and tall telescopic reach helps minimize intrusion into sterile fields and in and around wires, tubes and other devices. The system features a well thought out design with smooth surfaces and convenient open access to more easily wipe down all areas including storage bins. Other helpful features include an ultra low profile collapsible column to help maintain a clear view around the system when maneuvering into confined spaces or traveling down a busy corridor.



The lightweight, compact chassis ensures superb maneuverability even in the tightest of spaces.

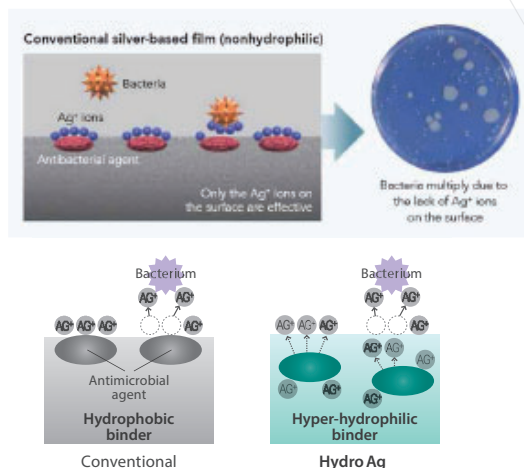


Advanced image processing and mobile imaging shortcuts.

## Antibacterial Coating

The Journal of Hospital Infection reported that imaging equipment leveraged to scan patients can be contaminated with the COVID-19 virus for up to nine days if they aren't properly cleaned. The full range of Fujifilm's DR detectors, including the FDR D-EVO II and recent FDR D-EVO III, incorporate Fujifilm's exclusive Hydro AG antibacterial coating on their outer surfaces.

(Please note that case studies regarding Fujifilm's Hydro AG antibacterial coating on COVID-19 detectors are not available yet\*)



This uniquely engineered coating has an antibacterial effect 100 times greater than that of conventional silver ion (AG) coatings, and uniquely regenerates its germ killing ions to its surfaces when activated by moisture from wipe down or even ambient moisture to continue to prevent bacterial growth on its surfaces for up to 8 years. While it is not a substitute for normal infection controls, it provides a valuable added safety measure in helping kill germs on its surfaces. Most hospital disinfecting wipes require the surfaces to be left moist with the disinfectant for several minutes for them to work properly, so every added measure helps, especially in this environment.

## Advanced Detector Sensitivity and Imaging Processing Technologies

Both FDR D-EVO II and FDR D-EVO III are equipped with Fujifilm's patented Irradiated Side Sampling (ISS) and noise reduction technologies. The innovative ISS capture circuitry combined with noise reduction circuitry provides highly sharp images with lower dose compared to traditional capture designs.

Fujifilm's DR portables are also available with advanced image processing such as Virtual Grid™ (VG) simulation and Dynamic Visualization II image processing. Virtual Grid eliminates the need for an added physical grid to be introduced into the sterile patient field. It provides excellent image quality for all patient sizes, with up to 50% lower dose than grid exams, lighter easier positioning for the technologist, and optimal comfort for the patient. Dynamic Visualization II processing employs intelligent feature recognition to adapt image processing to the specific characteristics of the anatomy being imaged, to provide excellent visibility of the entire field of view.

Having the right equipment in place is essential to counter the COVID-19 pandemic. As a total healthcare company involved in Prevention, Diagnosis and Treatment, Fujifilm is committed to supporting the brave clinicians caring for COVID-19 patients with cutting-edge medical equipment.

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.

