



KONICA MINOLTA



**CS-7**

## **AERODR3 SL GIF WITH CS-7**

THE WORLD LIGHTEST DETECTOR IN THE MARKET

***AeroDR3***  
1417SL

Giving Shape to Ideas

# IMPROVE PATIENT MANAGEMENT | IN X-RAY DIAGNOSTICS

## DIGITAL RADIOLOGY

Digital Radiology systems has been widely adopted by most healthcare systems due to availability, cost-effectiveness, and well-developed technologies.

However, more and more pressure, which is generated by the growing population, is on shoulders of clinical institutions globally, resulting in challenges to look for better, more affordable, and efficient solutions to improve patient satisfaction.

## IMPROVE PATIENT MANAGEMENT

Our new panels portfolio it's bringing Unique features and the integration of new software tools will improve the patient management and follow-up in healthcare departments. With the World first mobile DDR Ready Konica Minolta Healthcare it's bringing another innovation and creating a benchmark in the medical imaging market for the assessment of ventilation, detecting perfusion defects related to pulmonary thromboembolism and more evaluations that can be done without patient transferring.

## CHALLENGES OF HEALTHCARE SYSTEMS:

Over 30% of patient complaints are from either delay of service or communication issues

Communication  
Breakdown

16%



# OPTIMIZING YOUR INVESTMENT

## BY STREAMLINING WORKFLOWS WITH TOTAL-INTEGRATED KONICA MINOLTA HEALTHCARE SOLUTIONS

Resources deployment is getting critical for clinical institutions while more expensive healthcare service, more patients, less reimbursement per person, and less patient satisfaction come together.

Today, although having medical devices, which are not well-integrated from different suppliers, may slightly reduce your initial investment, that inevitably generates enormous bottlenecks of communication between devices and burdens of service and maintenance, holding back workflows, increasing patient complaints, and eventually consuming more energy, time, and money to operate your organizations.

Konica Minolta focuses on providing affordable integrated solutions to you that aims to serve everyone at anytime and in anywhere. Let us tackle challenges of workflows, so you can focus on making better diagnostic decisions, sooner.



**18.1%**  
Delay of Service<sup>1</sup>

<sup>1</sup> European Society of Radiology.  
Patient complaints in radiology: 9-year  
experience at a European tertiary care  
center (2019)

# ANYTIME, ANYWHERE, EVERYONE

# AeroDR3

1417SL

Portable Digital X-Ray system

## SIMPLE AND UNIVERSAL

Konica Minolta has developed a portable digital X-ray solution that allows radiography professionals to do an easy and quick diagnosis wherever and whenever needed. This complete digital X-ray solution includes new and unique licenses.

With a pixel size of 100 micron, and a glass free CsI scintillator, the AeroDR3 SL (GIF) delivers a high image quality for making diagnoses with high confidence.

### 1 SPEED

It's improved cycle time of 6 seconds in Wireless mode, allows you to do more exams per day and enables you to achieve a quicker diagnosis.

### 2 CAPACITOR

With a charging time of only 15 minutes, the AeroDR3 SL is completely charged from empty to full.

### 3 LIGHTWEIGHT

Konica Minolta's AeroDR SL is the world's lightest glass free 14x17 inch Flat Panel Detector (1.8kg) and therefore very easy to handle in your daily clinical routine.

### 4 ROBUST

The AeroDR panel family was already known for having a high surface load (400 kg), making it suitable to be used with all types and sizes of patients.

### 8 100 µm RESOLUTION

- Display micro structures
- Better visibility of trabecular bone
- Edge of the bone is more clear
- No "pixel shape" when zooming in
- Higher DQE and Lower Radiation doses

### 7 100% WIRELESS

The portable kit is completely wireless both for data transmission as well as power supply. To further increase mobility, the system is operated via a Laptop that allows maximum freedom of movement.

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### 5 WATERPROOF

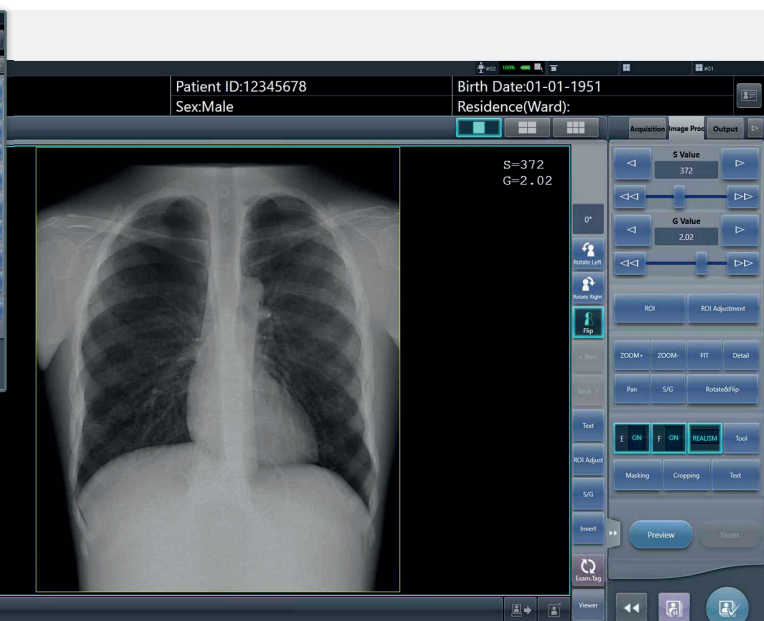
The AeroDR3 SL panel is compliant for IPX6 waterproof and IPX5 dustproof standard. By adopting a structure where a packing is inserted between the front and the back exterior plates, it is easy to maintain the waterproof structure even when subjected to shocks.

### 6 AED

The hybrid detection technology inside the detector has contributed to an even more reliable Automatic Exposure Detection (AED) with AeroSync.



Software console		CS-7
Product name (model name) *4		AeroDR 3 1417SL (P-82)
Detection method		Indirect conversion method
Scintillator		CsI (Cesium Iodide)
External dimensions (W×D×H)		384×460×15mm (15.1×18.1×0.6 inches)
Weight		1.8kg (4.0lb)
Pixel size *5		200μm/100μm with included license
DQE 1mR,RQA5 *6		59% (1cycle/mm) 72% (0cycle/mm)
MTF		62% (1cycle/mm)
Image area size		348.8×425.6mm (13.7×16.8 inch) 3,488×4,256
AD conversion		16 bit (65,536 gradients)
Usable grid frequency		60 / 40 / 34 lp / cm
Antibacterial		An inorganic antibacterial agent kneaded into the exterior material.
Communication		Dedicated wired ethernet connection/ Wireless LAN (IEEE802.11a / IEEE802.11n compliant)
W-LAN encryption		Wireless encryption method : AES / Authentication method : WPA2-PSK
Auto Exposure Detection (AED)		Available (AeroSync)
Expected product life time		Same as the life time of AeroDR 3 1417SL main body
Durability	Surface load *7	400kg@ effective image area overall
	MIL-STD	Acquisition
	Waterproof *8	IPX6 including power cell
	Dustproof *8	IPX5 including power cell
Cycle time *9 (with CS-7)	100μm *5	Approx. 6s with dedicated wired connection Approx. 7s with wireless LAN connection
	200μm	Approx. 4s with dedicated wired connection Approx. 4s with wireless LAN connection
Battery performance	Operating time *10 (200μm with wireless LAN connection)	Approx. 137 images/ 3.7 h * Assuming that the AeroDR system is connected to an X-ray system, the interval between studies is 5 min, and three images are captured in each study, and assuming 20s for each exposure to position the patient.
	Charging time empty to full	Within 15 min
	Maximum stand by time *11	Approx. 6.0 h



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# WHY KONICA MINOLTA

Today's healthcare systems encounter various and complex challenges that haven't been expected: COVID-19, aging population, increasing healthcare expenditures with declining reimbursement, and supply chain issues, etc. At Konica Minolta, we are driven by redefining and creating values for healthcare providers that equips them to tackle those challenges, achieving diagnostic excellence.

With over 150 years of business history, our renowned technology company has revolutionized the industry of medical diagnostic imaging with advanced solutions that range from imaging equipment and ultrasound to medical IT systems. We are proud to be at the forefront of medical care transformation with our cutting-edge imaging technologies. Our solutions are designed to reduce the burden of patients while enhancing the accuracy of diagnostic procedures. Our comprehensive range of devices, systems and services enable digitization and networking within the medical imaging industry, offering a faster, more reliable, and more efficient diagnostic experience.

By providing comprehensive ICT services and solutions, we contribute to the realization of faster and more reliable diagnosis services and improved economic value through total cost of ownership, efficiencies, and increased productivity.

We will stay focused on end users and professional needs. **Together, we can make the world healthier.**