



KONICA MINOLTA



AERODR NS

DIGITAL X-RAY SYSTEM

AeroDR NS

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 Service¹

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

ANYTIME, ANYWHERE, EVERYONE

AeroDR NS

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 including a mini-pacs solution to store your

dicom and non-dicom images. With a pixel size of 150 micron, and a CsI scintillator, the AeroDR NextS delivers a high image quality for making diagnoses with high confidence.

1 SPEED

Its improved cycle time of 10 seconds, with first view within 4 seconds in Wireless mode, allows you to do more exams per day and enables you to achieve a quicker diagnosis.

2 CAPACITOR

With 2 detachable batteries included, 16 hours work a day can be covered without charging

3 LIGHTWEIGHT

Konica Minolta's AeroDR NS is one of the lightest CSI 14x17 inch Flat Panel Detectors (3.6kg) and therefore very easy to handle in your daily clinical routine.

4 ROBUST

The AeroDR NS was already known for having a surface load (150 kg), making it suitable to be used with all types and sizes of patients.

8 150 μ M 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.

6 AED

The hybrid detection technology inside the detector has contributed to an even more reliable Automatic Exposure Detection (AED) without Xray I/F.

5 INTERNAL ACCESS POINT

The AeroDR NS is equipped with an internal access point that enables point of care imaging.



Console software	ImagePilot™
X-ray Detection method	Method: indirect, Scintillator: CsI (Cesium Iodide)
DQE	40% (1lp/mm)
Pixel size	150 µm
Image area (valid image)	2304 x 2800 pixels (345.6 x 420.0 mm)
X-ray linkage	AED: Automatic Exposure Detection (Automatic X-ray detection without X-ray I/F)
Cycle time	First View: 4 sec / Cycle Time: 10 sec
Internal AP	Available (in combination with notebook PC-type ImagePilot)
Image Storage	Available (up to 200 images)
Wireless specifications	IEEE802.11a/n/ac
Durability	Total surface load: 150 kg Point load: 100 kg @ φ40 mm
Water resistance	Panel: IPX1 including battery
Battery	Lithium ion battery (detachable type)
Battery performance	212 images or 5.9 hours
Battery duration in standby	7.6 hours
Available grid	40lp/cm
Dimension	384 mm x 460 mm x 15 mm (ISO-4090-2001(JIS-Z4905) compliant)
Weight	3.6 kg (including battery)



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.**