



KONICA MINOLTA

**BETTER DIAGNOSTIC DECISIONS,
SOONER**



AeroDR
X90

Giving Shape to Ideas

IMPROVE PATIENT SATISFACTION | IN X-RAY DIAGNOSTICS

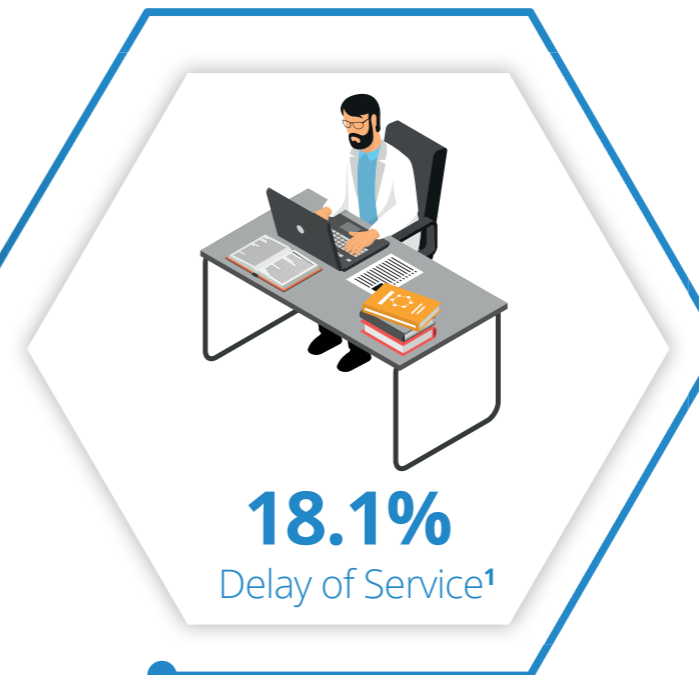
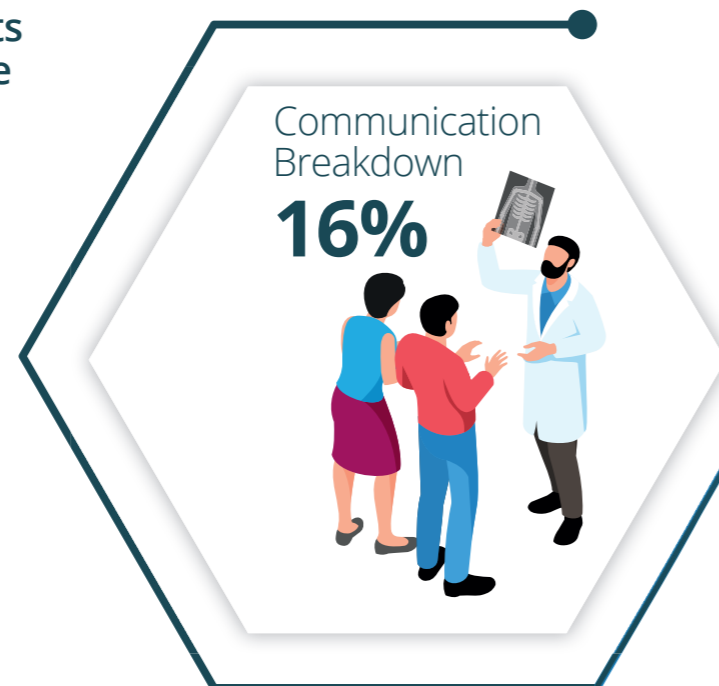
OPTIMIZING YOUR INVESTMENT | BY STREAMLINING WORKFLOWS WITH TOTAL-INTEGRATED KONICA MINOLTA HEALTHCARE SOLUTIONS

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.

CHALLENGES OF HEALTHCARE SYSTEMS:

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



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

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.

ANYTIME, ANYWHERE, EVERYONE



AeroDR X90

Auto-positioning X-Ray system

Konica Minolta introduces a new high-end auto-positioning X-ray system that allows radiography professionals to examine more patients per day and shorten patient wait times by decreasing the time to diagnosis, with the user-friendly AeroNAV software.

The excellent AeroDR X90 is a highly ergonomic designed system using auto-positioning, auto-tracking

and auto-stitching to drive an efficient workflow. By using the Konica Minolta high-end digital flat panel detectors and the state-of-the-art acquisition software, AeroNAV, previews will be available within 2 seconds.

Konica Minolta AeroDR X90 will allow Radiography professionals to examine more patients per day and short patient wait times by decreasing the time to diagnosis.

Ergonomics & automation

The AeroDR X90 contains a large tube head display with patient information, image preview and easy adjustment of the X-ray parameters.

The table with smooth floating table top, flexible table height and a tilting wall stand makes AeroDR X90 an optimal ergonomic solution for patient and operator.

Smart and easy to use

Auto positioning together with floating table top and adjustable Wall stand, makes patient positioning easy. This will create a comfortable environment for both patient and operator.

Good viewing angle of the tube display and a user-friendly interface supports easy review of information and quick changes to support a smooth work flow AeroDR X90 in combination with AeroDR flat panel detectors makes it easy for the user to switch between different type of exams.

Intuitive workflow

The graphical User Interface of the AeroNAV acquisition software allows you to easily navigate your workflow by using user-friendly screen layouts and simplified automated workflow. In addition, the software includes various measurement and administrative tools.

Best Image Quality

For Radiography professionals who demand the highest level of confidence, the AeroDR HD has an astonishing pixel size of only 100µm! It allows you to enlarge microstructures to conduct precise analyses required for extremities, pediatrics and other specialties where image details and dose efficiency are vital to diagnosis.



EASY-TO-USE INTERFACE

Easy-to-use interface with preview image shown in approximately 2 seconds

EASY-TO-USE & EXCELLENT AUTO POSITIONING

Fully motorized auto-positioning when anatomical protocol selected

MOTORIZED & AUTOMATIC DETECTOR TRACKING

Easy upward, downward and tilt of the detector from the control panel or foot control (optional) with the OTC tracking



X90 with AeroNAV

For optimized workflow

Auto-Stitching

The Auto-stitching feature will support you during full spine and long leg examinations. The system will create one single, high resolution image from multiple x-ray images of the body part.

The procedure to define the area of interest is intuitive and then the system will automatically capture up to 4 images of a standing patient just by pressing the X-ray button.

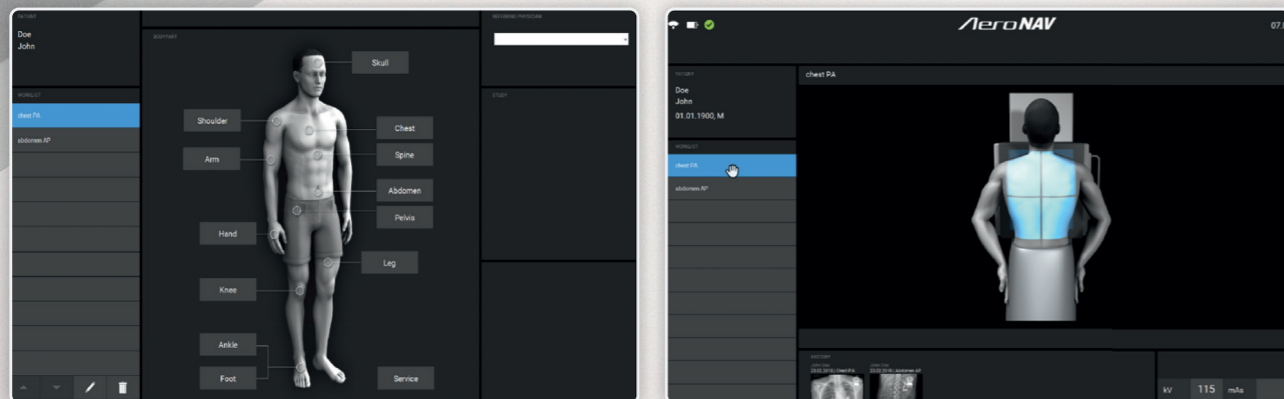
When the patient stands safe on a special stitching trolley, the detector is automatically moving to the right defined positions to acquire the maximum of 4 images, just by pressing the Xray button.

By having consecutive images merged to create an overview, a more comprehensive evaluation of the the legs and spine are possible. The AeroDR X90 auto stitching functionality will speed up your daily workflow and reduces patient hold time.

With AeroNAV the AeroDR X90 incorporates a powerful digital radiography control and acquisition system. From the AeroNAV workstation you will have full control of the patient information, exposure parameters and image processing.

Simply adjust the exposure parameters on the AeroNAV console and preview your image within 2

seconds. Intuitive operation, quick preview and short cycle times ensure significantly higher productivity. The user-friendly Graphical User Interface of the AeroNAV acquisition software allows you to easily navigate your workflow by using user-friendly screen layouts and simplified automated workflow. In addition, the software includes various measurement, administrative tools and more than enough auto-positions.



AeroDR HD

Konica Minolta has developed the AeroDR HD: our most sophisticated detector with the highest resolution and sensitivity enabling the highest image quality and lower radiation doses. From now on every image will be clearer than ever, allowing for even better analyses.

WHEN DETAILS MATTER: 100µm PIXEL SIZE

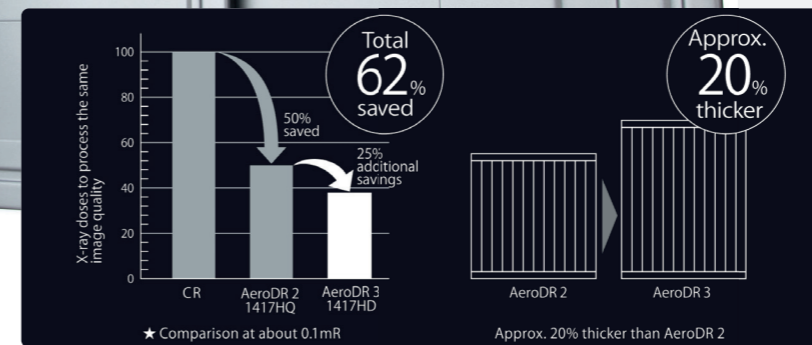
- Display micro structures
- Better visibility of trabecular bone
- Edge of the bone is more clear
- No "pixel shape" when zooming in
- Higher DQE and lower radiation doses
- Lightweight and robust structure
- Fast and reliable workflow
- Updated AeroSync for longer automatic exposure detection



HIGHER DQE & LOWER DOSE

Konica Minolta introduces the latest technological advances with the AeroDR HD "High Sensitivity TFT (Thin Film Transistor) detector". The thicker CsI scintillator, a high sensitivity photo diode on the TFT panel and new ROIC (Read out IC), which can reduce the electrical noise level by 50% or more, enables optimized detection values.

Now we can provide patients and AeroDR users with higher Detector Quantum Efficiency (DQE) and lower radiation doses.



➤ One detector, multiple positions

Using the AeroDR detector for examinations in the table bucky, wall stand or for wireless tabletop projections. With the built-in exposure safety control blocks the exposure if the detector is not inside the correct bucky. The AeroDR detector can be shared within the x-ray rooms and mobile x-ray solutions for taken it to the patient's bed.

➤ 100 micron pixel size

For Radiography professionals who demand the highest level of confidence, the AeroDR HD has an astonishing pixel size of only 100µm! It allows you to enlarge microstructures to conduct precise analyses required for extremities, pediatrics and other specialties where image details and dose efficiency are vital to diagnosis.

➤ Waterproof

The AeroDR HD is waterproof (IPX6) even after the detector was dropped from a height of 1,2 m. This makes the detector very suitable for more extreme environments like trauma departments where it is more likely to be exposed to liquids and body fluids.

➤ Low Dose

The latest technological advances on AeroDR HD detector with High Sensitivity TFT (Thin Film Transistor), the thicker CsI scintillator (a high sensitivity photo diode) on the TFT panel and new ROIC (Read out IC) which reduce the electrical noise level by 50% or more. This enables optimized X-ray detection values. AeroDR HD provides patients and operators higher Detector Quantum Efficiency (DQE) and lower radiation doses.

➤ Automatic charging

The AeroDR detector can easily placed and charged in the AeroDR X90 bucky tray. The AeroDR detector will be charged in portrait and landscape position. This functionality greatly improves efficiency and avoids the hassle with additional cables or changing batteries.

Due to our unique AeroDR, flat panel detector, capacitor technology, the batteries will not heat up, which improves the safety in your hospital.

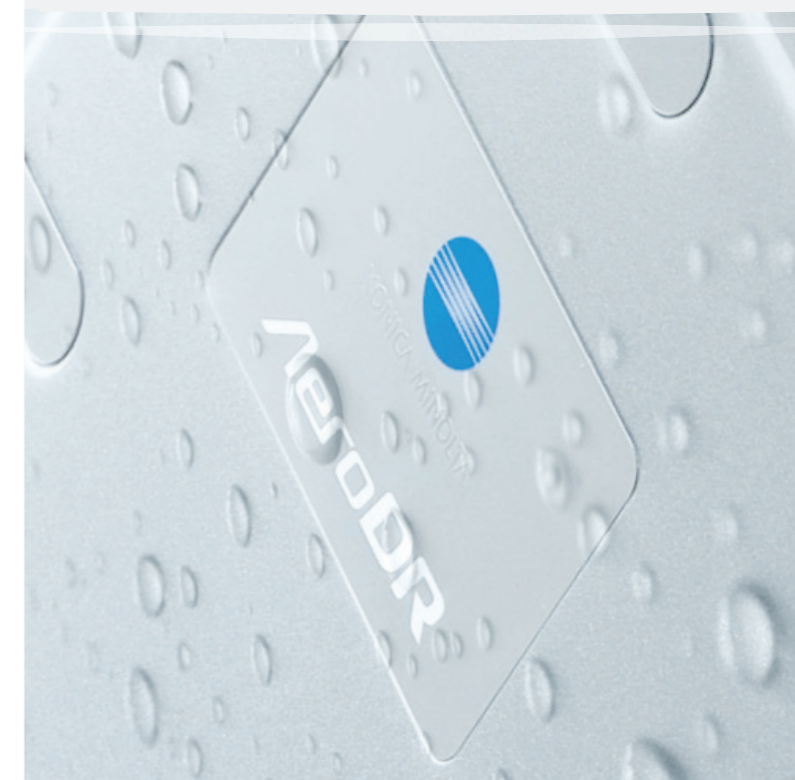
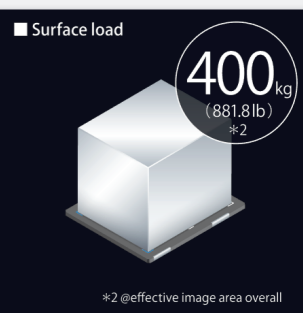
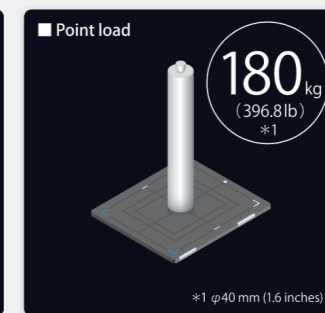
LIGHTWEIGHT AND ROBUST STRUCTURE

➤ New Grip Design

Weighing just 2,6 kg (including powercell), the panel is lightweight, and a new grip design makes it even easier and safer to handle in your daily routine.

➤ Load resistance

The world's highest load resistance of 400 kg and a 130 kg bending resistance; to withstand demanding conditions during bedside exams.



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 75 years of business history, we are a leading medical technology company in medical diagnostic imaging solutions that cover imaging equipment, ultrasound systems, and medical IT systems. Our advanced solutions cut through the complexities of your IT processes by automating and optimizing document-related processes to simplify workflows and make medical information accessible and compliant.

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.**