

# AeroDR X30

✓ Digital Mobile X-ray System



**AeroDR**  
**X30**



COMMUNICATION WITH  
THE HOSPITAL NETWORK IS  
COMPLETELY WIRELESS

## SPEED UP YOUR WORKFLOW

**Not all X-ray exams can be performed in the X-ray room itself. Sometimes, care needs to come to the patient. The AeroDR X30 Mobile X-ray System enables you to perform digital diagnoses wherever the patient is in the hospital or medical facility.**

Bedside exams may be needed in case patients can't be moved or diagnosed in regular X-ray rooms. In those cases Mobile Digital X-ray is the right technology to use. AeroDR X30 is specifically designed to carry out bedside exams as easy and straightforward as possible.

### Easy positioning

Because AeroDR detectors are the lightest in their class, positioning the detector for bedside exams is truly easy. In case of emergency room usage, the fact that the detectors are waterproof prevents any liquids such as blood or urine entering the detector. Also, it makes the detectors easier to clean after use.

### Wireless connectivity

Not only do AeroDR detectors provide wireless communication for effortless usage at the patient's bedside, also the communication towards the hospital network (RIS/PACS) is completely wireless.

Images can be made available for further diagnosis immediately after the acquisition.

## Full integration

The AeroDR X30 is a fully integrated Mobile Digital X-ray system that combines excellent mechanical and digital components to help you carry out exams more efficiently. For example, the CS-7 Image Acquisition Software, displayed on a 17" Touch Screen, not only provides excellent images, CS-7 also controls the generator by sending predefined exposure parameters for each examination.

After the exposure the CS-7 receives the used X-ray settings together with the DAP value and links them to the image data.

## Agile - Fast - Precise

The fully motorized AeroDR X30 is very easy to manoeuvre.

The two independent motors together with the large wheels make the AeroDR X30 very suitable for use in constricted spaces.

The system can be controlled with just one hand. A light pressure on the drive handle sets the system in motion (up to 5 km/h), even on slopes.

Sensors at the front bumpers will automatically stop the system when a slight pressure is detected. Additional controls at the tube handles allow easy positioning at the bedside.

The optional Infrared Remote Control can be used for exposures and to control the collimator light.

## Automatically charged

The AeroDR detector can easily be stored and at the same time automatically charged in the bin, even during driving. The unique Lithium-Ion-Capacitor technology of the AeroDR detectors allows charging whenever and wherever without losing any performance capacity.

## Smart & Space saving

AeroDR X30 is a very compact system with a smart, space saving design. Two detectors can be carried along in the bin.

## Powerful and robust

A wide generator selection of 20, 32, 40 or 50kW output.

AeroDR X30 can be combined with all Konica Minolta's robust, carbon fiber Flat Panel Detectors available in three sizes: 10 x 12" , 14 x 17" or 17 x 17".



Two independent motors and large wheels for comfort



Detectors can be charged in the bin



Compact, space saving design

# ALWAYS READY TO PERFORM



## 2. INTEGRATED CS-7 CONSOLE

- CS-7 Image acquisition software is fully integrated
- CS-7 also controls the generator by sending predefined exposure parameters for each examination
- DAP values (option)

## 1. WIRELESS CONNECTIVITY

- Image acquisition and communication towards the hospital network (RIS/PACS) is completely wireless



## 10. ADDITIONAL CONTROLS

- Additional controls on the tube handles allow easy positioning at the bedside.

## 3. EASY DRIVE HANDLE

- A light pressure on the drive handle sets the system in motion (up to 5 km/h), even on slopes
- The system can be controlled with just one hand

## 4. ALWAYS READY TO PERFORM

- The AeroDR detector can easily be stored and at the same time automatically charged in the bin, even during driving.
- The unique Lithium-Ion-Capacitor technology of the AeroDR detectors allows charging whenever and wherever without losing any performance capacity

## 5. FULLY MOTORIZED

- The fully motorized AeroDR X30 is very easy to manoeuvre.
- The two independent motors together with the large wheels make the AeroDR X30 very suitable for usage in constricted spaces.

## 6. CAPACITOR TECHNOLOGY

- AeroDR comes with some smart economic advantages. Because the detector doesn't use Li-Ion batteries, there is no need to buy new batteries regularly.

## 7. BUMP SENSORS

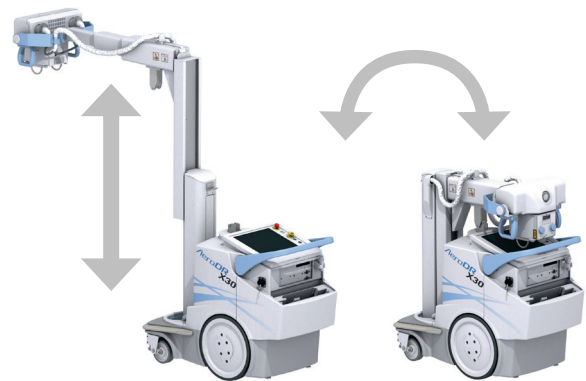
- Sensors at the front bumpers will automatically stop the system when a slight pressure is detected.





**9. KEEP TRACK OF YOUR TRACK**

- Navigating the AeroDR X30 in busy areas such as ICU's, NICU's, emergency rooms is safe and simple.
- By lowering the telescopic column you will have a good view on the driving path in front of you.
- The height is only 1.34m.



**8. PANEL ROAMING**

- The AeroDR detectors can be shared with other AeroDR X-ray rooms.
- They are compatible and exchangeable with each other.

THE SYSTEM CAN BE CONTROLLED WITH **JUST ONE HAND**

**HIGH QUALITY DIGITAL DETECTORS**

**Speed** - Its 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.



**Capacitor** - With a charging time of only 30 minutes, the AeroDR HD is completely charged from empty to full.



**Lightweight** - Konica Minolta's AeroDR HD is one of the world's lightest 14x17 inch Flat Panel Detectors (2,6kg).



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



**Waterproof** - The AeroDR HD is waterproof (IPX6).



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



**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

# LIGHTWEIGHT & ROBUST

The AeroDR X30 can be equipped with all Konica Minolta portable detectors. From 10 x 12 inch which will fit in most incubators, to 14 x 17 inch for daily routines up to 17 x 17 inch for chest exams. Of course all Konica Minolta detectors are designed to be reliable and robust.

## Lightest detector

By thoroughly reviewing the housing and components we have been able to reduce the weight of the AeroDR detectors. For example, the AeroDR3 1012 HD even weighs only 1,5 kg!

## Durable carbon fiber housing

By using the same housing technology (carbon fiber reinforced plastic), all AeroDR HD detectors have a surface load of up to 400 Kg.

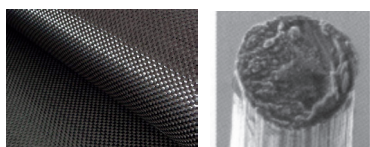
## High performance capacitor

Konica Minolta has chosen a capacitor for its AeroDR instead of a battery to allow quick 0 to 100% charging time of just 30 minutes or less for AeroDR HD, AeroDR Premium and a mere 13 minutes (!) for AeroDR 2S. This means the detector is ready when you are. Using this unique capacitor technology, there is no loss of charging capacity and there is no need to replace the power unit during the lifetime of the detector like you would with e.g. Li-ion batteries. Also, there is no risk of overheating while in use or being charged ensuring additional safety for you and your patients.

## Water resistance

X-ray detectors may be accidentally exposed to water, blood or other fluids when used in demanding environments such as emergency departments. To prevent possible damage to the interior of the detector, the AeroDR HD, AeroDR Premium and AeroDR 2S have been equipped with an IPX6 certified waterproof housing.

This also allows for easy and more effective disinfection and cleaning when needed.



## CS-7 Software for optimized workflow

CS-7 provides a simple and intuitive user interface for complete workflow control. From the collection of patient data to image optimization, flexibility and ease of use are guaranteed.

### 2 second preview via smart GUI display

In less than 2 seconds after exposure, a preview image pops up on the console display! Our user-friendly graphical interface is configurable, this enables you to set it up exactly how you like it.

**KONICA MINOLTA**

Study list

Image view

# PREVIEW IMAGE

## In less than 2 seconds



## Intelligent Grid

Konica Minolta offers an optional IntelligentGrid, a sophisticated Image Processing Technology to improve the X-ray image quality. It improves in particular the contrast, which is often affected by scattered radiation.

The software is available as an option on Konica Minolta's CS-7 console and will enable the users to have an easier workflow as there is no need to carry around different grids anymore.

The IntelligentGrid offers three types of parameters, comparable to regular grid ratios 3:1, 6:1 and 8:1, so the user doesn't have to switch grids between different exams all the time.

## Other Options



### DAP Meter

- Dose value is stored together with image data in the DICOM image file
- Integrated dose measurement



### Infrared Remote control

- Prepare/Exposure release
- Collimator light
- 10m range



### Lateral Inclinator

- Indicates the tube rotation around the horizontal axis



### Collimator with manual rotating filters

- Double parallel laser, matching at 1 m SID
- Manual rotating filter wheel with 4 positions

- The support and availability of the listed specifications and functionalities varies depending on operating systems, applications and network protocols as well as network and system configurations.
- Some of the product illustrations contain optional accessories.
- Specifications and accessories are based on the information available at the time of printing and are subject to change without notice.
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