KONICA MINOLTA

AeroDR X50

Giving Shape to Ideas


Fast installation,
Quality components,
Low maintenance.
AeroDR X50 PLUS

Introducing AeroDR X50

AeroDR X50 is Konica Minolta's compact, floor mounted X-ray system, built around our renowned wireless AeroDR flat panel detector. High quality components were selected to minimize maintenance visits and realise a short installation time. AeroDR X50 provides a comfortable working environment and more efficient workflow to benefit both user and patient. The AeroDR detector and intuitive CS-7 console deliver high image quality for better patient care.

Suitable for small spaces

Because AeroDR X50 is a floor mounted system it is very well suited for facilities with a limited amount of space. A ceiling suspension is not required and the X-ray generator is located in the table base, which makes AeroDR X50 a remarkably compact but nevertheless fully functional X-ray system. The minimum room size requirements are: length 3.5 m, width 2.5 m, height 2.3 m.

Standard vs Plus

AeroDR X50 offers a choice of two tables. The standard version has a table with a fixed height at 75 cm, a floating table top and can handle a patient load of up to 400 kg. The Plus version comes equipped with a height adjustable table (55-90 cm) with floating table top and supports a patient load of up to 320 kg. Optional extras on both versions are mechanical tracking of the table and a telescopic tube arm for extra ease of use.


AeroDR X50 PLUS

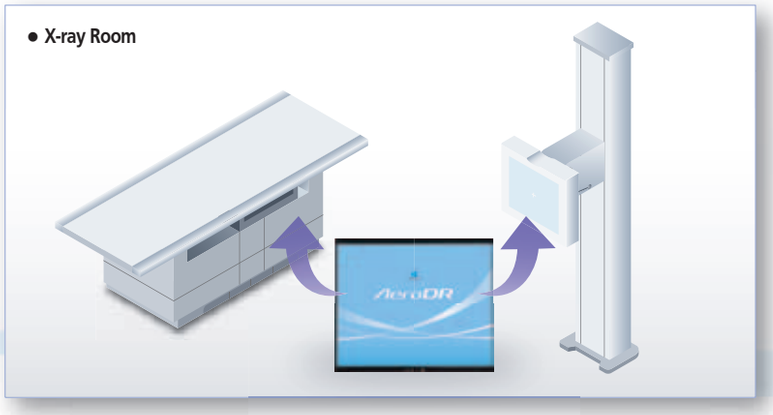
Effortless positioning and flexibility to simplify your workflow

Easy to use and flexible

Light handling of the X-ray tube, wallstand and floating table top allow for easy patient positioning, creating a comfortable environment for both user and patient. Due to the flexibility of the system a high variety in examinations and a more effcient workflow can be achieved, even with a high patient load.

One detector for multiple uses

Use the AeroDR detector for examinations in the table bucky, wall stand or for tabletop projections, like you would a film or CR cassette. Even standing feet exams pose no problem for AeroDR X50. The AeroDR detector can be shared within the X-ray room while a built in exposure safety control blocks the exposure if the detector is not inside the correct bucky. Using the AeroDR Portable kit it can even be taken to the patient's bed side and used with your existing portable X-ray equipment.



Different detector sizes

The AeroDR detector is available in three different sizes: 17"x17", 14"x17" and 10"x12", all extremely lightweight, which allows you to customise the AeroDR X50 system to perfectly suit the requirements for your workflow.

17" x 17", 3.6 kg

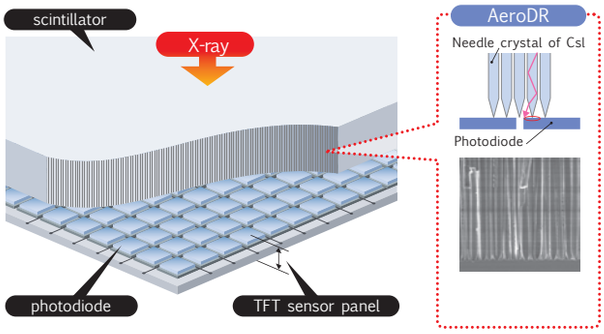
14"x 17", 2.9 kg

10" x 12", 1.7 kg

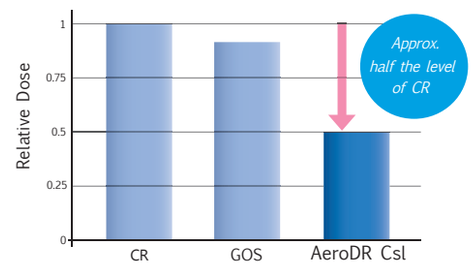
Quality components

AeroDR's CsI scintillator was developed by Konica Minolta to provide high quality images at a low dose. The AeroDR detector features a number of unique characteristics, like the safe and long lasting built-in lithium-ion capacitor and a robust monocoque design. For the X-ray system high-class components were selected, which together with the AeroDR detector form the reliable, high quality product that is AeroDR X50.

- Schematic cross section of scintillator and TFT-panel.



- X-ray exposure

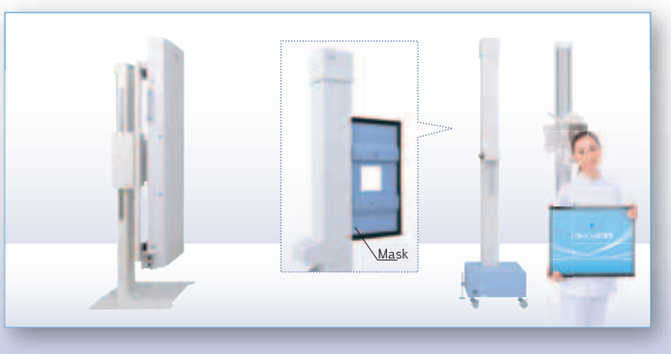


Intuitive console CS-7

Konica Minolta's tried and trusted CS-7 console controls both the AeroDR system and the X-ray generator and also displays the integrated DAP measurements. Simply adjust the exposure parameters on the CS-7 console and preview your image within 2 seconds. Intuitive operation and quick preview and cycle times ensure significantly higher productivity.

Optional stitching for complete orthopaedic imaging

Partner AeroDR X50 with Konica Minolta's unique AeroDR Auto-Stitching system for a patient friendly, high quality digital stitching solution. Before, the DR-stitching process required the patient to remain still for extended periods of time. Due to the automatic movement of the detector and specialized slit combination, full-spine and full-leg studies can now be performed in almost half the time of conventional stitching systems. AeroDR Auto-Stitching System reduces patient hold time and speeds up work-flow.



AeroDR X50

Specifications

	STANDARD	PLUS	OPTIONAL

WORKSTATION CS-7

Image Preview	< 2 sec.

DETECTOR

Type	Digital Radiography System AeroDR
Scintillator	CsI (Cesium Iodide)
Pixel size	175 µm

X-RAY GENERATOR

Output	32 kW	50, 65, 80 kW
	External or integrated in table base	
	Solid state, high voltage modules, no oil	
	High frequency, power inverter technology	

X-RAY TUBE

Type	Dunlee DR1817	Dunlee DR1833 with dual speed starter
Focal spot	0.6 / 1.2 mm	0.6 / 1.2 mm
Anode Angle	13°	13°
Tube travel range (height)	380 mm – 1900 mm	
Collimator	Power LED technology	
Dose Area Product	Integrated DAP chamber	

TABLE

Height	Fixed height 750 mm	Elevating height 690 mm - 900 mm	Elevating height 550 mm - 900 mm*
Table Top	Floating table top		
Table Length	2200 mm		2000 mm for small rooms
Tube Support Arm		Pivot	Pivot/ Pivot with telescopic function
Tracking			Mechanical tracking
AEC	5-Field ionisation chamber		
Patient Load	Max. 450 kg	Max. 320 kg	

WALL STAND

AEC	5-Field ionisation chamber
Bucky Travel	380 mm – 1900 mm

AUTOMATIC EXPOSURE CONTROL

AEC	5-Field
kV range	40 - 150 kV
Exposure time range	1 ms – 6 s

X-RAY GRID

Type	Smit Röntgen X-ray grid	
	Ffd 110 cm, 36 lines/cm, ratio 12	Ffd 110 cm, 36 lines/cm, ratio 8
	Ffd 140 cm, 36 lines/cm, ratio 12	Ffd 140 cm, 36 lines/cm, ratio 8
	Oscillating and removable	
	Fiber interspacer	
	Carbon fiber, lowest inherent filtration	

ROOM DIMENSIONS

Minimum room size	Length 3.5 m, width 2.5 m, height 2.3 m

* Generator outside of table base

Specifications are subject to change without prior notice

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