



KONICA MINOLTA

THE VERSATILE X-RAY SYSTEM

AeroDR X70

Product Lineup

●Wall stand bucky
(Tilt type/ Non tilt type)



●X-ray tube



●AeroDR detector



●CS-7 console



●Table bucky



●Generator



Accessories

●Patient handgrip for table



●Cost effective compression belt for table



●Lateral detector /
cassette holder for table



●X,Y,Z manoeuvre handle for table



●Collimation hand control for table



●Others

- Grid 40lp/cm 8:1 100cm
- Grid 40lp/cm 10:1 115cm
- Grid 40lp/cm 10:1 150cm
- Grid 40lp/cm 10:1 180cm
- Grid 40lp/cm 12:1 200cm

- Patient overhead handgrip
- Table mattress
- Dual foot pedal (Wall stand bucky)



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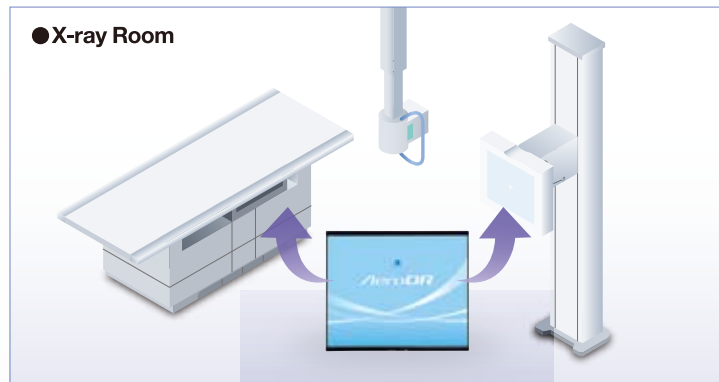
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WALL STAND BUCKY



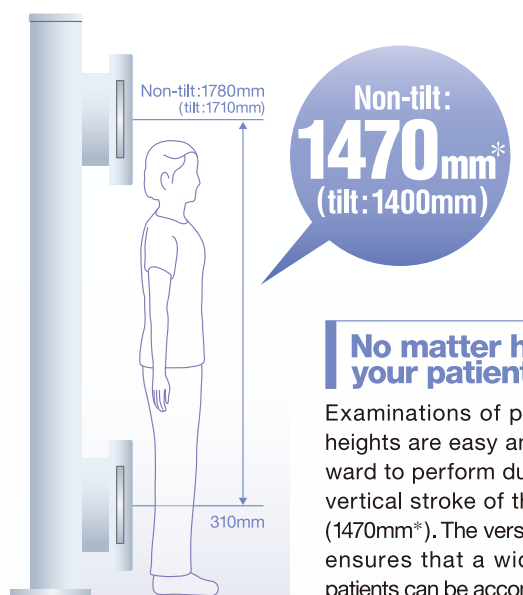
Shared FPD solution

The AeroDR X70 is based on the cassette sized, wireless AeroDR flat panel detector and is designed to suit a variety of X-ray rooms. The AeroDR flat panel detector can be shared between wall stands and bucky tables and can also be used for tabletop and free examinations.



High patient throughput

The AeroDR X70 system is designed to increase patient throughput. You will experience light and easy handling of the (tilting) wall stand bucky, table and the ceiling suspended X-ray tube, minimizing the positioning time.

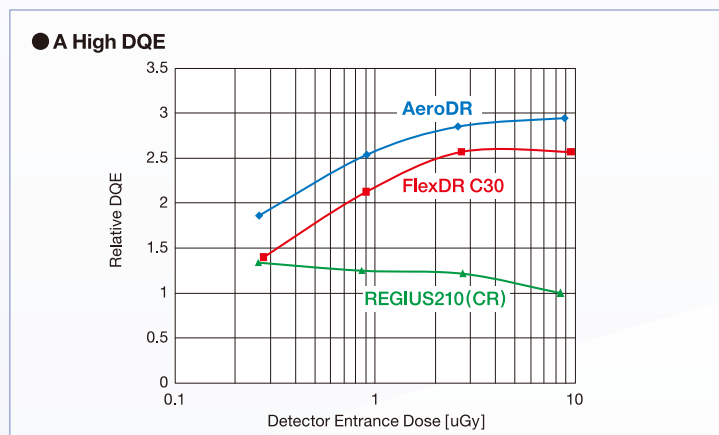


No matter how tall your patient is

Examinations of patients of all heights are easy and straightforward to perform due to the long vertical stroke of the wall stand (1470mm*). The versatile wallstand ensures that a wide variety of patients can be accommodated.

*center stroke

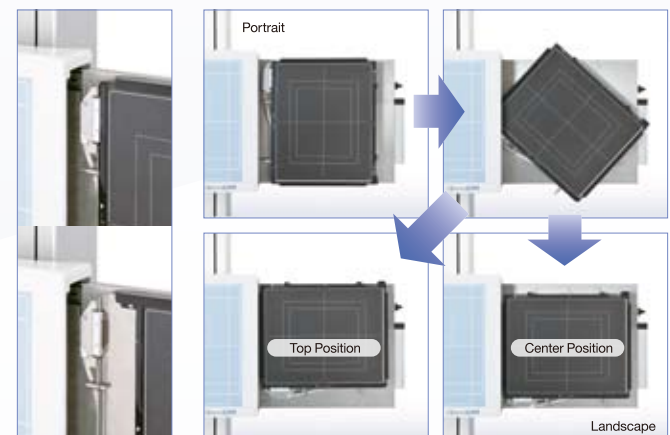
Unique and versatile — Tilting/Non Tilting Wall Stand Bucky —



High Image Quality at Low X-ray Dose Comparing to CR

The optimal combination of the AeroDR detector using a Konica Minolta CsI scintillator combined with the newly developed low noise readout ICs delivers a high DQE*. At the same time, we achieved the wider dynamic range of DR comparable to CR. This means that in radiography of shoulder joints, for example, the AeroDR permits describing the skin line accurately even when the radiographic conditions change along the way.

* DQE...Detective Quantum Efficiency



Unique bucky design

The AeroDR detector can be inserted in the bucky from either the left or the right side (selectable during installation) after which a wired connection will automatically be established. Not only can the detector be rotated to landscape or portrait position, the unique design of the bucky enables positioning of the detector in both top and centre landscape positions, allowing for an even more flexible working environment. The AeroDR X70's multifunctional console CS-7 will automatically recognise the portrait or landscape position of the detector when it's placed in the bucky.



Examination of extremities

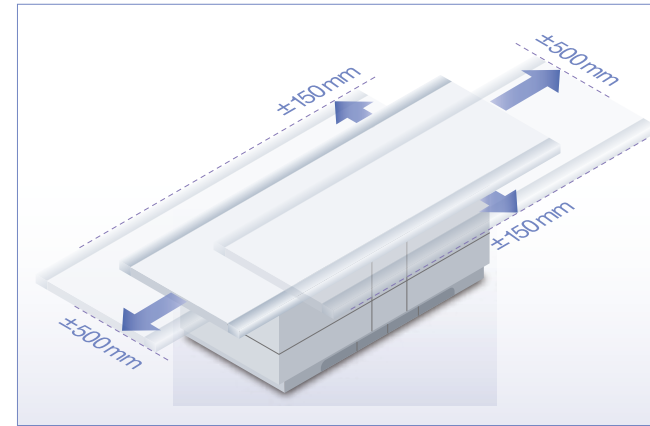
The removable grid and tilting bucky allow the flat panel detector to easily be used for examinations of extremities or less mobile patients.

T A B L E B U C K Y



Accommodates patients of all body types

The maximum weight capacity of the table is 295kg (650 lbs.) and will accommodate a wide variety of patients. The floating table top enables a default coverage of 200 cm without having to move the patient. This flexible table ensures easy positioning and is suitable for all body types.



Built in foot control for easy usage

The table bucky has a built in foot controller and can be equipped with an extra hand controller* as well as an additional foot controller* to provide an optimal working environment. * Optional



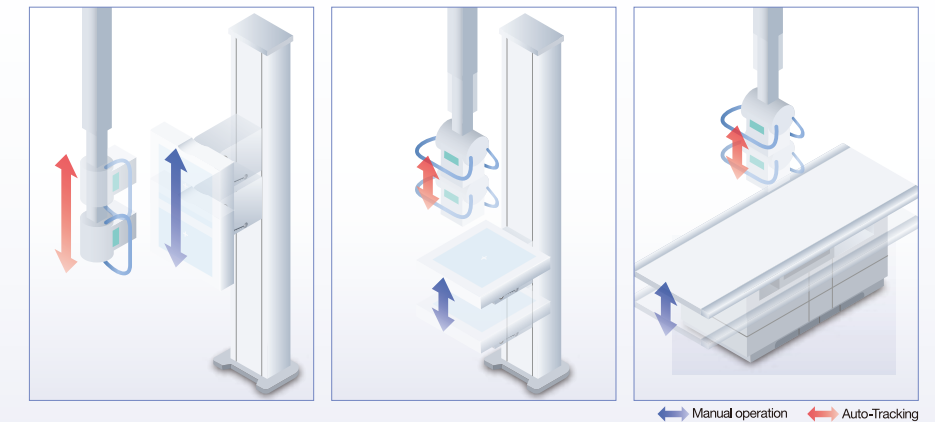
295 kg

Compact and Clever Design — Table Bucky —



Tube tracking

Synchronised movement of the tube and detector is standard. The X-ray tube automatically tracks the detector during wall stand or table bucky adjustments, also when the tube is placed in an angled position.



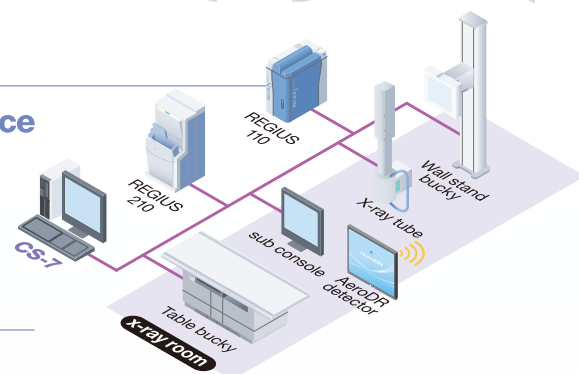
Manual operation Auto-Tracking

CONSOLES CS-7

Multifunctional console CS-7 with intuitive user interface

CS-7 can control AeroDR detectors and connect to CR readers.

*Please contact your Konica Minolta sales representative regarding which devices can connect to CS-7.



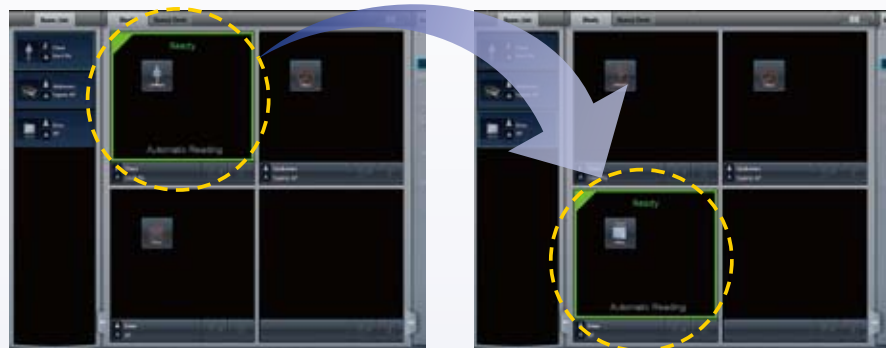
Panel auto tracking function

You can check the remaining battery level, radio field intensity and panel location through the panel auto tracking function at a glance on the CS-7 screen in real time.



Exam auto focus function

When the order of exposures is changed for wall-stand, table, and cassette radiographies, the radiographic focus is automatically changed according to the movement of the panel.



AeroDR X70 System Specifications

Workstation	
Image Preview	Less than 2sec
Detector	
Scintillator	CsI (Cesium Iodide)
Pixel size	175µm
Image Field	1,994x2,430 (4.8 million pixels)
Dimensions(W x D x H)	383.7x460.2x15.9mm ※Equivalent to Standard 14x17" cassette
Dynamic Range	4 digits

X-ray System

Generator			
Output	50kW	65kW	80kW
Frequency(up to)	240kHz	240kHz	240kHz
Exposure voltage	40 to 150kVp		
mA range	10 to 1000mA (depending on selected kW)		
Dual speed starter	Standard	Standard	Standard
Input rating	400/480VAC 50/60Hz		
X-Ray Tube	Varian		
Focal spot	0.6/1.2mm		
kHU	300 (212kJ)	400 (300kJ)	600 (445kJ)
Capacity of the small/large focus	32/77kW	40/100kW	40/100kW
Anode angle	12°	12°	12°
Rotation speed	10000rpm	10000rpm	10000rpm

Ceiling suspension	
Weight	127 kg, standard tube and collimator
Vertical stroke	1450mm or 1700mm
Tube rotation	Alpha from -163 to 180, Beta from -180 to 163
Minimal ceiling height	2500mm
Height movement	Motorized
Tracking	Height tracking on wall and table

Table (AeroDR T50)	
Vertical stroke	540-850mm, floor - table top
Patient load	Tabletop for 295kg Patient weight, 0.7 mm AL eq
Attenuation equivalent	≤0.7 mm AL eq.
Dimensions table top	2400x800mm
Movement table top	Lateral ±150mm, longitudinal ±500mm
Image receptor travel	±290mm
AEC	Three-field ionisation chamber (Optional)

Non Tilting Type Wall Stand (AeroDR S30)	
Vertical stroke, detector in vertical position	310mm-1780mm, floor - center detector
Attenuation equivalent	≤0.6 mm Al eq.
AEC	Three-field ionisation chamber (Optional)
Grid	Manually exchangeable

Tilting Type Wall Stand (AeroDR S33)	
Vertical stroke, detector in vertical position	310mm-1710mm, floor - center detector
Vertical stroke, detector in horizontal position	580mm (minimum), floor - top cover
Positions detector	90° - -20°
Attenuation equivalent	≤0.6 mm Al eq.
AEC	Three-field ionisation chamber (Optional)
Grid	Manually exchangeable

Options

Collimator	
	Auto collimator (APR based), Integrated DAP chamber Integrated Automated filter (APR based), Laser light
Installation cube	
	3m×4m, 150kg (including transfers)

