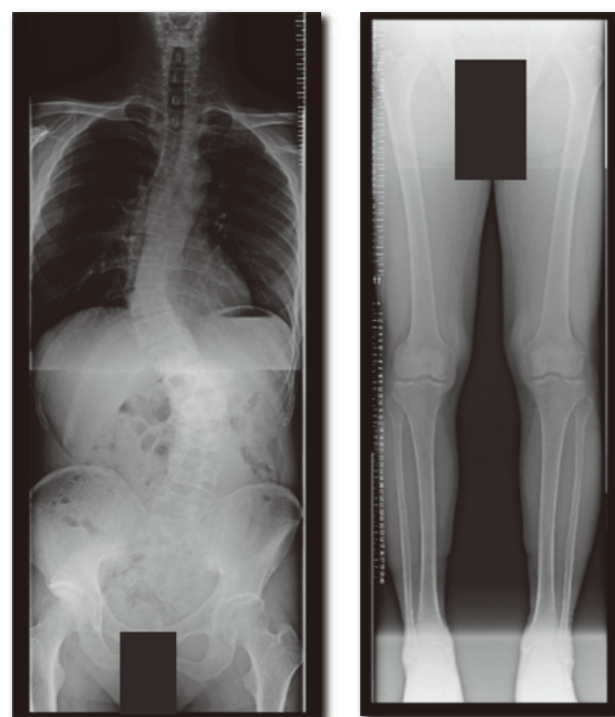


AeroDR Auto-Stitching System Specifications

Specifications	Detail
Applicable FPD	AeroDR 14" x 17" HQ/S
Vertical exposure range	SID=2.4m : Max. 50" SID=2.0m : Max. 41" SID=1.5m : Max. 31"
Effective image size (After stitching process)	SID=2.4m : Max. 349.3x1,196.45mm (1,996x6,836 pixels) SID=2.0m : Max. 349.3x 997.04mm (1,996x5,697 pixels) SID=1.5m : Max. 349.3x 807.69mm (1,996x4,615 pixels)
Power	AC120V, AC220-240V (50Hz/60Hz)
Marker	No markers required. Stitching application displays digital markers on the console screen.
Pixel size	175 μm
Holding time of patient during an examination	16 seconds or less <condition> Duration from the first exposure to completion of the third exposure.
Maximum vertical travel range	850 mm or less

• Specifications are subject to change without prior notice.



KONICA MINOLTA

AeroDR

Auto-Stitching System



Giving Shape to Ideas



KONICA MINOLTA

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Distributed by :

Easy to Use, Fast and Affordable!

Why so quick!

AeroDR Auto-Stitching System

Introducing a unique auto-stitching system with the AeroDR flat panel detector for high image quality and excellent workflow that is applicable to any X-ray system. In general, existing DR stitching process requires the patient to remain still for extended periods of time. However, using the AeroDR Auto-Stitching System allows studies to be performed in much less time due to the automatic movement of the detector and specialized slit combination.

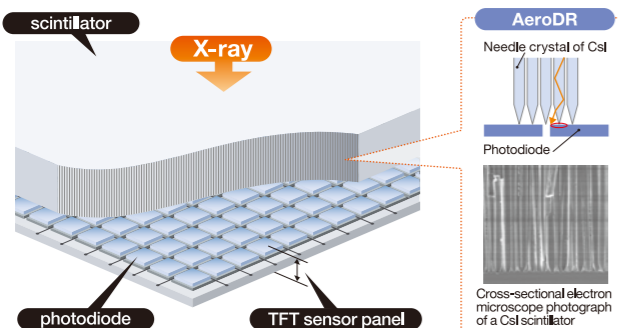
Unique



High Image Quality and Lower Doses

The optimal combination of the AeroDR detector, using a Konica Minolta Csi scintillator, combined with the newly developed low noise readout circuitry delivers excellent DQE (Detective Quantum Efficiency). This makes the AeroDR effective in reducing exposure dose.

●Schematic cross section of scintillator and TFT-panel.

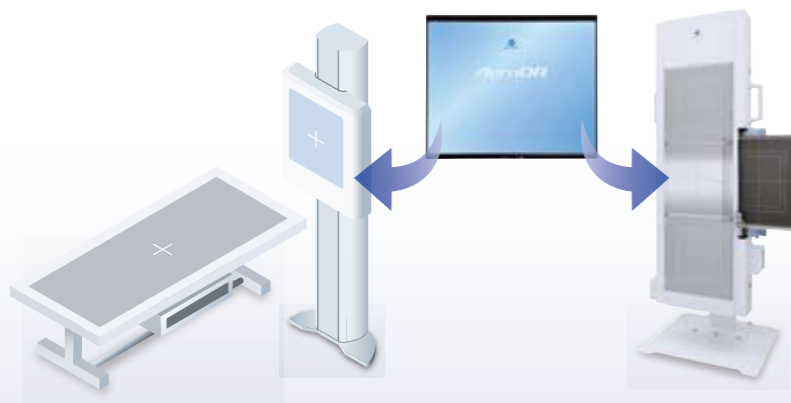


Original
Csi

Share

Shared FPD solution

The AeroDR flat panel detector can be shared for not only cassette wireless digital radiography but also our unique auto-stitching system.

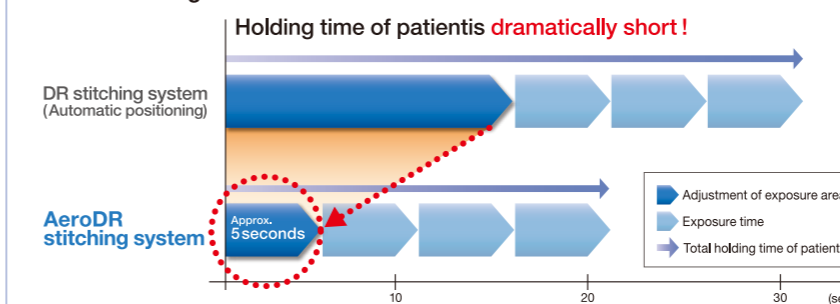


Easy Setting the Entire Exposure Range

Approx.
5
seconds

A moving slit scans light exposure field and detects the upper and lower edge of the field, then the system automatically determines the number of exposures and each position in just 5 seconds which is much shorter than alternative DR stitching systems. This unique slit can dramatically reduce the time it takes to complete stitching exams and significantly improve the technologist's workflow.

●Patient Holding Time



Stitching process of AeroDR Auto-Stitching System

During auto-stitching process, alignment of the panel and the X-ray beam via the specialized AeroDR slit mechanism is automatically performed for each study. The X-ray tube remains stationary throughout the entire study and acquired images are automatically transferred to the CS-7 console as they are acquired. After exposure is complete, an auto-stitched image appears on the display of the CS-7 console in just 18 seconds or less.

