



KONICA MINOLTA

# *AeroDR*

*Auto-Stitching System*



Giving Shape to Ideas

# Easy to Use, Fast and Affordable!

Unique

## AeroDR Auto-Stitching System

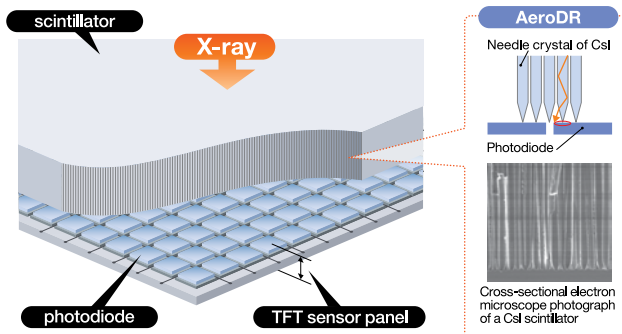
Introducing a unique auto-stitching system for use with the Aero DR flat panel detector. This revolutionary solution provides high image quality and excellent workflow and is available for use with any X-ray system. Most existing DR stitching solutions require the patient to remain still for extended periods of time. However, using the Aero DR Auto-Stitching System allows studies to be performed in much less time due to the automatic movement of the detector and specialised slit combination.



## High Image Quality

The optimal combination of the Aero DR detector, using a Konica Minolta CsI scintillator, combined with the newly developed low noise readout circuitry delivers excellent DQE (Detective Quantum Efficiency). Image quality due to the high DQE of the Aero DR panel.

### ● Schematic cross section of scintillator and TFT-panel.

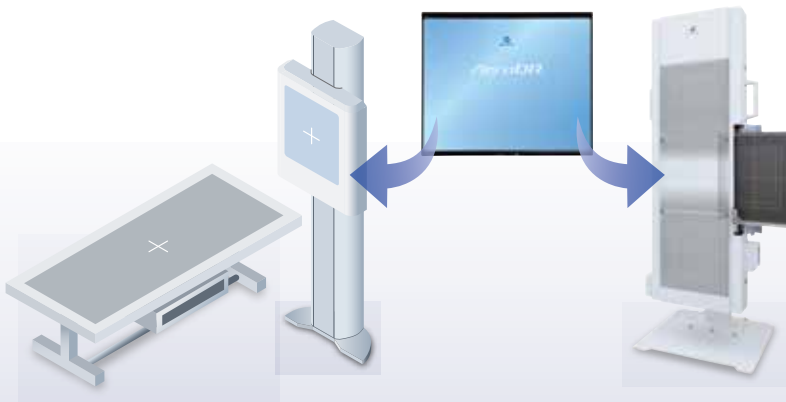


Original CsI

Share

## Shared FPD solution

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

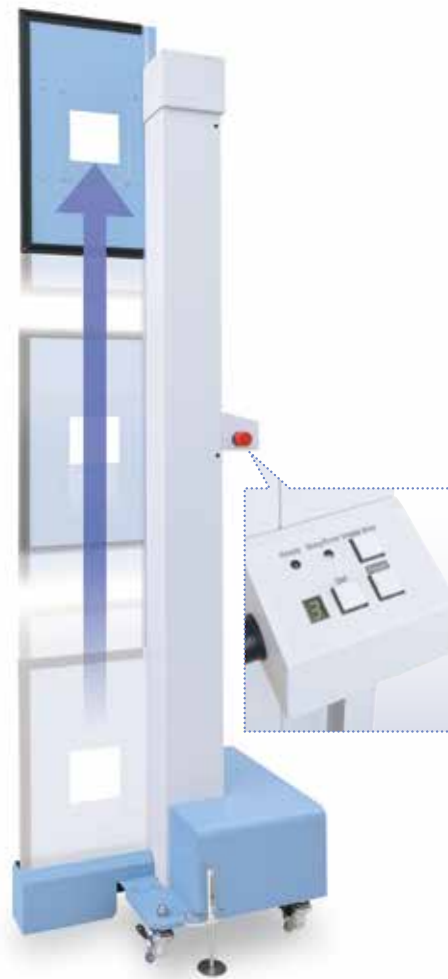


# Why so quick!

Approx.  
**5**  
seconds

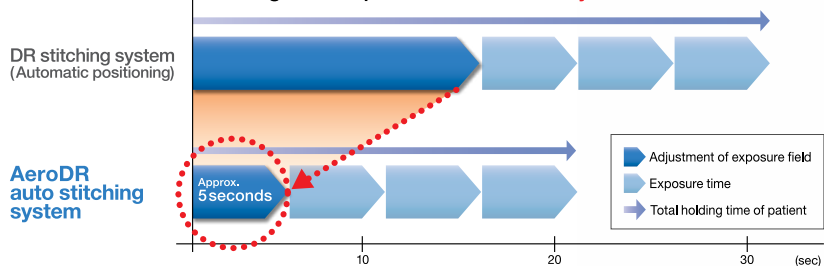
## Easy Setting the Entire Exposure Range

A moving slit scans the 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.



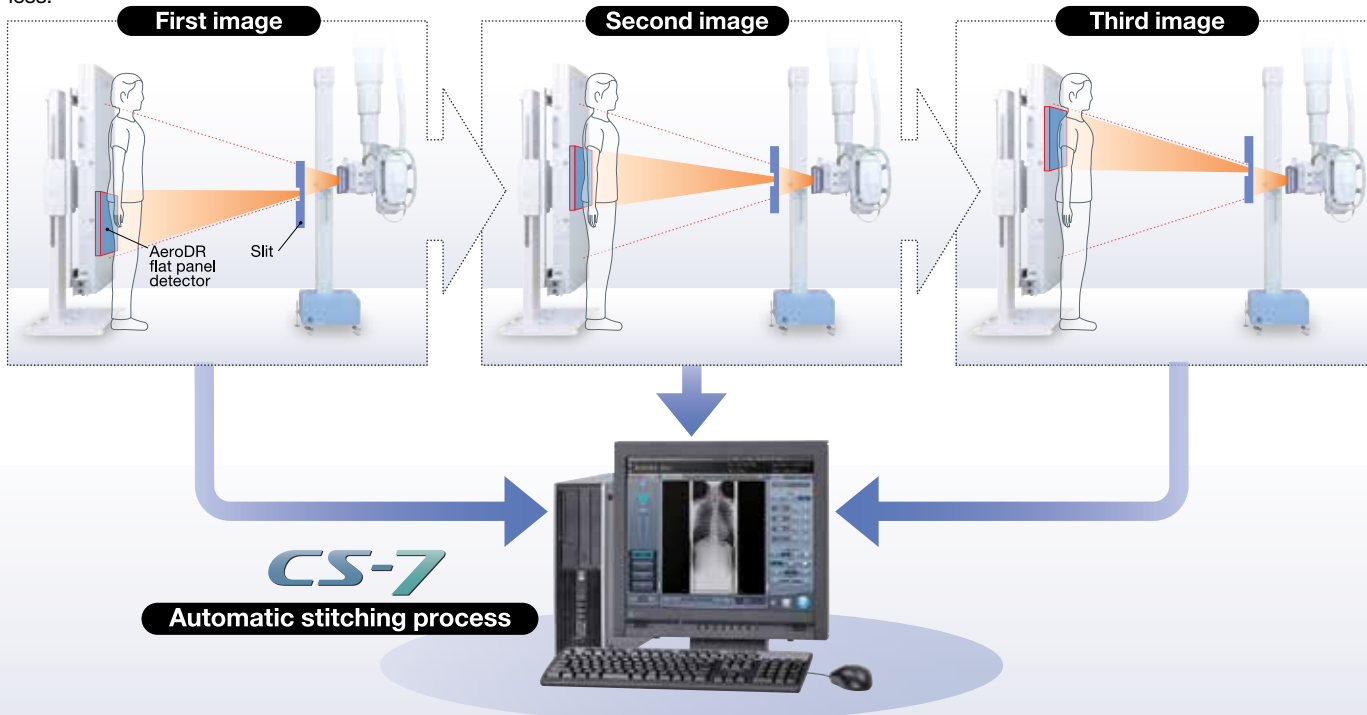
### ● Patient Holding Time

Holding time of patient is **dramatically short!**



## Stitching process of Aero DR Auto-Stitching System

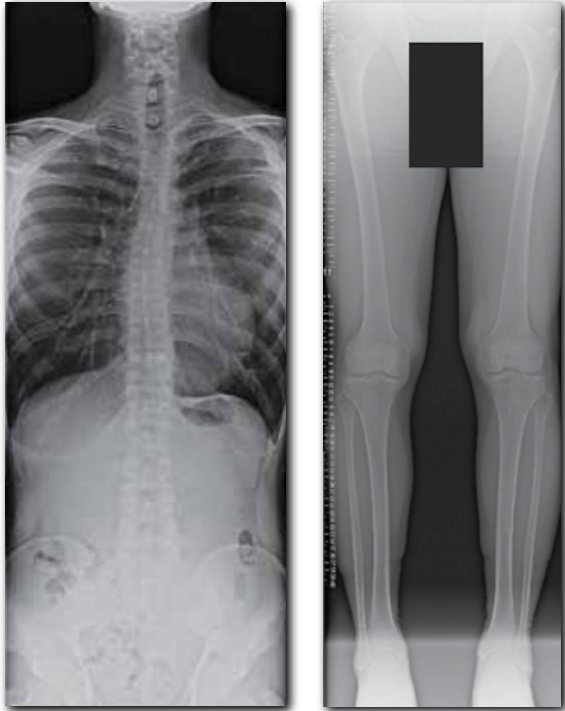
During the auto-stitching process, alignment of the panel and the X-ray beam via the specialized Aero DR slit mechanism is automatically performed for each study. The X-ray tube remains stationary throughout the entire study and acquired images are automatically transferred to the CS-7 console as they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



## AeroDR Auto-Stitching System Specifications

Specifications	Detail
Applicable FPD	AeroDR 14" x 17" HQ/S
Vertical exposure range	SID= 95" : Max 50" SID= 79" : Max 41" SID= 59" : Max 31"
Effective image size (After stitching process)	SID= 95" : Max 13.75x47" SID= 79" : Max 13.75x39.25" SID= 59" : Max 13.75x31.8"
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	33.5" or less

\* Specifications are subject to change without prior notice.



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