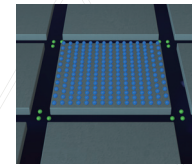


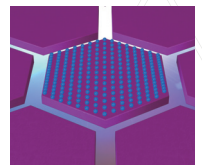
1

HCP detector

- 50-micron displayed pixels
- Hexagonal pixels distribute the electrical field more efficiently for a stronger, more uniform signal
- Results in images with high DQE and MTF
- Ultra-sharp images, gentle dose
- Upgradeable to future technologies

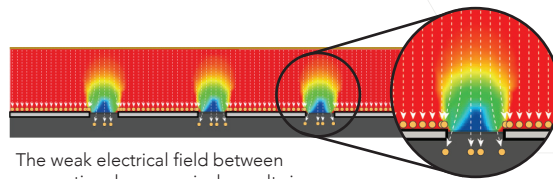


Conventional square pixel

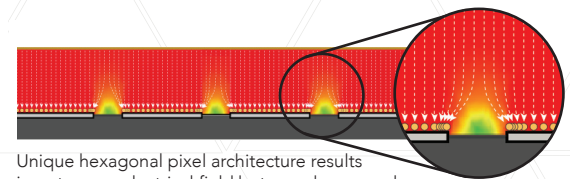


ASPIRE Cristalle HCP pixel

Reduces dose by approximately 20%
when compared to conventional detectors that use square pixels*



The weak electrical field between conventional square pixels results in some loss of acquired information.

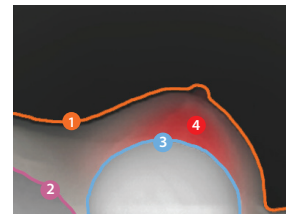


Unique hexagonal pixel architecture results in a stronger electrical field between hexagonal pixels and improved information capture.

2

iAEC

- Optimizes exposure parameters
- Automatically detects and removes implants from analysis, thereby calculating the optimal exposure and image processing.

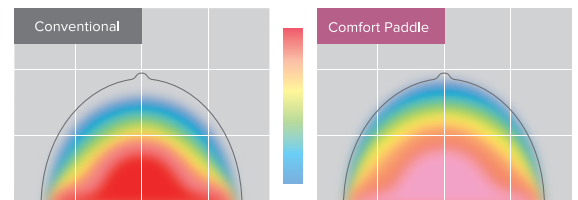


- 1 Identify breast periphery
- 2 Locate pectoral muscle & exclude it from analysis
- 3 Look for implant, and if present, exclude it from analysis
- 4 Locate glandular tissue

3

Comfort Paddles

- Flexible compression paddle gently adapts to the breast
- Patented design allows for firmer, more tolerable compression
- Slotted paddle edge allows plate to flex and contour to the breast



Distributes pressure for more even distribution of breast tissue

4

One Shot QC Program

- Provides phantom materials and software support needed for QC Technologist and Medical Physicist testing
- 5-minute weekly QC testing with the ACR MAPP and the 1 Shot Phantom M Plus
- Single exposure produces 10 quantitative test results
- Allows for trending and print out of accumulated weekly, quarterly, semi-annual, and annual QC test results



5

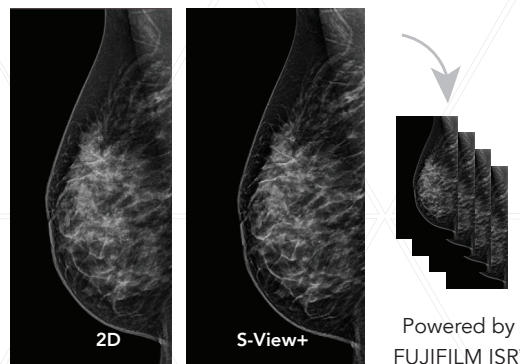
S-View with ISR

Iterative reconstruction:

- Reduces 'out of plane' blurring artifacts
- Reduces granularity in the slice images

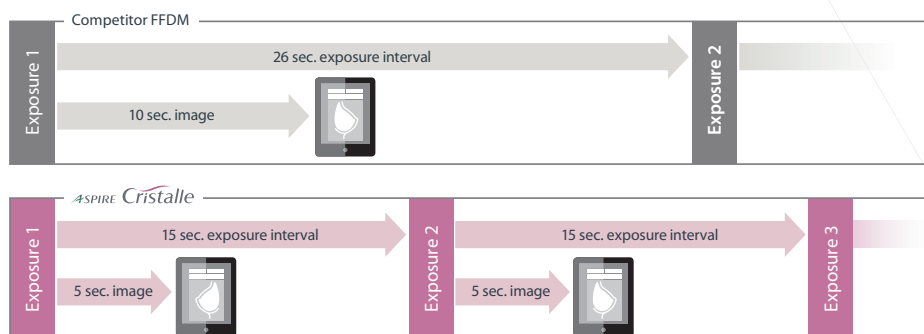
Super-Resolution technology:

- Generates a higher sharpness than the original projection images / detector resolution^{1,2}
- Accurately corrects the displacement of each pixel in the projection images¹



6

2D Cycle Time



7

Fast acquisition and reconstruction



- Continuous 15° sweep of X-ray tube
- Acquires 15 projection images (N mode)
- 4-second acquisition
- Projection images are reconstructed into tomosynthesis slices that are 1mm apart
- Tomosynthesis slices are output to a diagnostic workstation at a 100mm pixel pitch

¹ P160031-S001 Appendix J (FDR MS-3500 Option Tomosynthesis Exposure Tomosynthesis Exposure Software Operation Manual 897N120843B (p A4-A5)

* Iterative Super-Resolution Reconstruction