

1724 · 2430 SENSOR - Technical specification

Parameter	New 1724 MCA	New 2430 MCA	Unit
Sensor Type	CMOS		-
Scintillator	CsI : TI		-
Active Array	2384 x 3312	3312 x 4344	pixels
Active Area	170.9 x 231.0	231.8 x 304.0	mm ²
Effective Array	2357 x 3280	3302 x 4264	pixels
Effective Area	165.0 x 229.6	231.1 x 298.5	mm ²
Dimensions	267.5 x 194.5 x 14.2	253.7 x 327.5 x 14.2	mm
Pixel Pitch	70		μm
AED (Auto trigger)	Yes		-
Frame Rate	4.5(@1x1) 14.9(@2x2)	3.6(@1x1) 12.7(@2x2)	fps
A/D Conversion	14		bits
Energy Range	up to 50		kVp
Saturation Dose	> 350 (3,000 uGy)		mR
Data Interface	GigE		-
Weight	1.4	2.2	kg

Xmaru W - System Requirements

THE MINIMUM SYSTEM REQUIREMENTS for a proper execution of Xmaru W are as follows

- **CPU:** Intel® Core™ i5(4th Gen) or higher
- **Main memory (RAM):** 8GB or higher
- **Monitor Resolution:** 1920 x 1080

THE RECOMMENDED SYSTEM REQUIREMENTS for a proper execution of Xmaru W are as follows.

- **CPU:** Intel® Core™ i5(8th Gen) or higher
- **Main memory (RAM):** 16GB or higher
- **Monitor Resolution:** 2560 x 1440

Rayence's Global Networks

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※ Due to continuous product improvements, specifications and appearance are subject to change without prior notice.

1724 · 2430 MCA

Wide Dynamic Range
Easy Upgrade
AEC control

Xmaru W

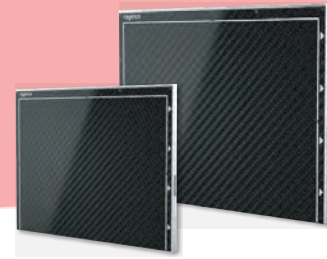
Wide Range for View
User Interface
Optimized Image Processing



www.rayence.com

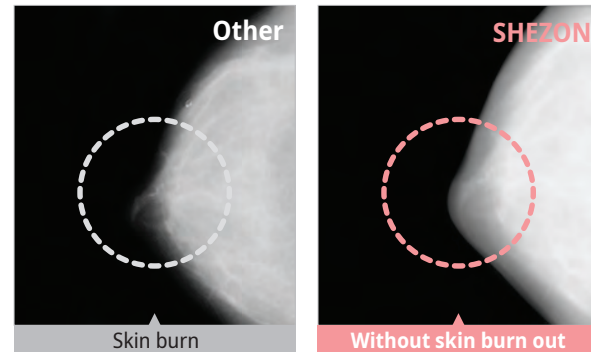
Address (18449) 14, Samsung 1-ro 1-gil, Hwaseong-si, Gyeonggi-do

Phone 031-8015-6245 Product inquiry 031-8015-6431



1. Quality

Wide Dynamic Range



ShezON High resolution of 70μm

CMOS sensor specialized in Mammography Imaging system provide quality image and quick acquisition.

ShezON Automatic dose detection

- Image Quality Improvement by automatically detecting dose
- Low Dose – High sensitivity technology for Quality Image
- Over Dose – Optimized sensitivity technology for Image Loss prevention

Wide Range for View

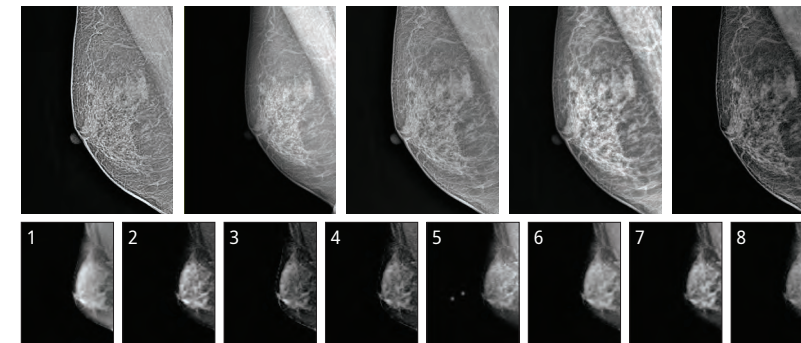


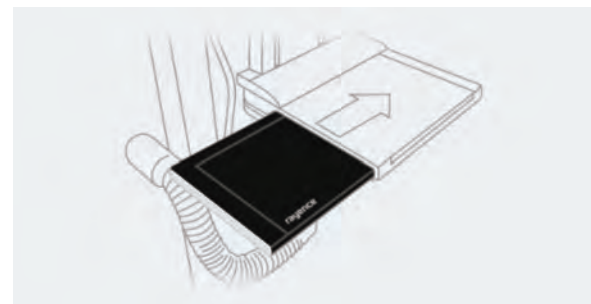
Image processing algorithm for mammography

- Various image type (Film/CR FFDM)
- Maximized skin expression, improved lesion detection effect by microcalcification amplification

2. Easy

Easy Upgrade

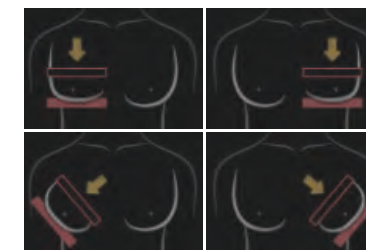
Get the advantages of digital detector **without replacing the existing mammography system**



- Compatible with currently in use CR/Film mammography system units
- Image quality that **parallels high-end FFDM** systems
- More efficient and economical** than using film screen or CR
- 17 x 24, 24 x 30 Size** optimized for the systems

User Interface

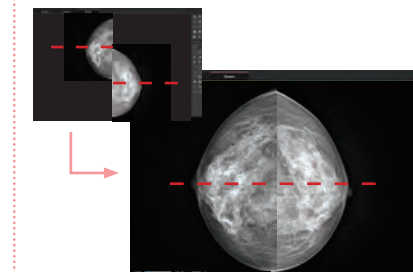
1) Simple Procedure



Preset Procedures

2) Nipple Align

Premium option



Auto Nipple Position

3) QC Tool

Premium option

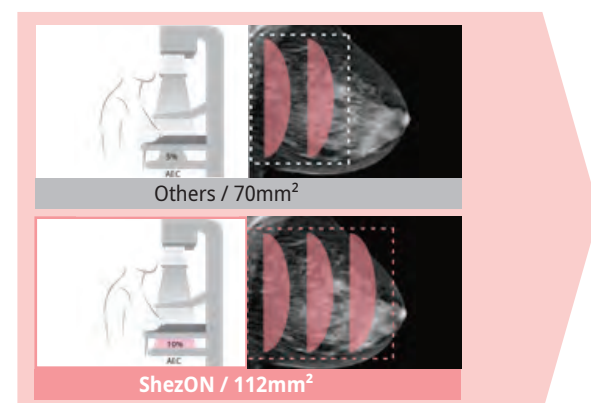


Image Quality Maintenance

3. Optimized

AEC control

Optimization design considering the structure of mammography imaging system



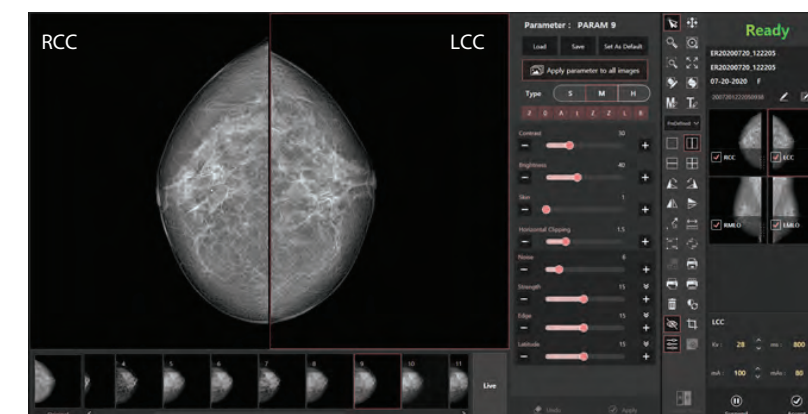
Optimized AEC Outstanding the x-ray transmission

- Prevention of patient overexposure
- System AEC calibration not required

AEC Area

- Easy to use AEC control for mammography
- Wider range of control

Optimized Image Processing



Premium option

- Easy and Fast Image Select with various filters
- Detail tuning of Image contrast & sharpness with premium edit function