

DRTECH

reddot
design award
reddot winner 2024

DRTECH



Leading the way into Digital
AIDIA VOLVE

High-Performance Digital Mammography System

AIDIA Volve 1824 / AIDIA Volve 2430



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DRT-CAT-030

Small Pixel & High Resolution High-Performanced Mammo. Detector

76 μ m High-resolution images
with small pixel size and FOCUS* Csl *Florescent Optical Csl Upgraded Structure



EASY Magnification No need for Bucky Change

Fast and easy magnification images can be acquired simply by attaching a magni stand on to of the original bucky elimination the need for bucky removal

Inside Generator Low Noise and Space Efficiency

With a built in generator, it's easy to install in small spaces as there is no need for a separate generator compartment. This minimizes generator noise and room heating making the screening environment more pleasant

5kw Generator

equipped with a generator equivalent to High-end Mam-mography System, it is possible to shoot stably even for many patients.

Premium X-ray Tube High-end Mammography System

High quality X-ray beam output is possible with Tungsten (W) Tube. It provides best quality breast diagnostic images for increased detection rate of breast abnormalities.

*Option for Volve 2430

18x24, 24x30 Selectable Detector Size

Two detector size option : 18cm x 24cm, 24cm x 30cm Selectable depending on the hospital environment.

Premium Design

The smooth curved design minimizes the patients anxiety, provide a calming examination environment and positive user experience, and thus better imaging quality can be obtained by increasing patients' attention to the examination

Increased ease of use with automated operation

Easy collimator operation and automated C-arm rotation and lift features enable quick and easy shooting.

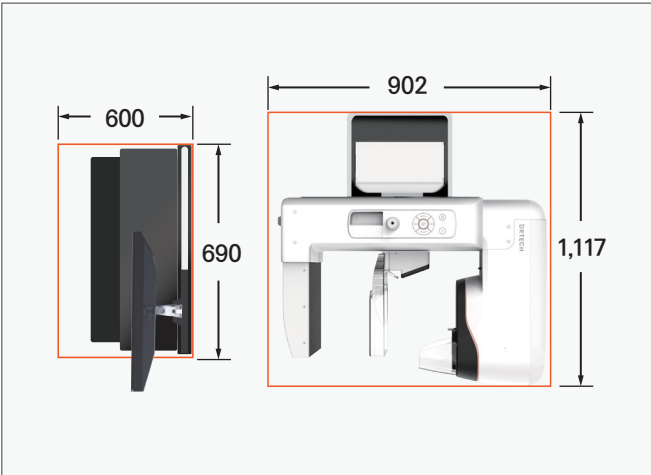
Smallest CWD & LWD

With a design that minimizes instrument interference, it is possible to examine even lesions in contact with the chest without missing them.



Small Footprint & Small Packing

With a gantry internalized generator design, enables simple and small area installations in rooms for increased space utilization.



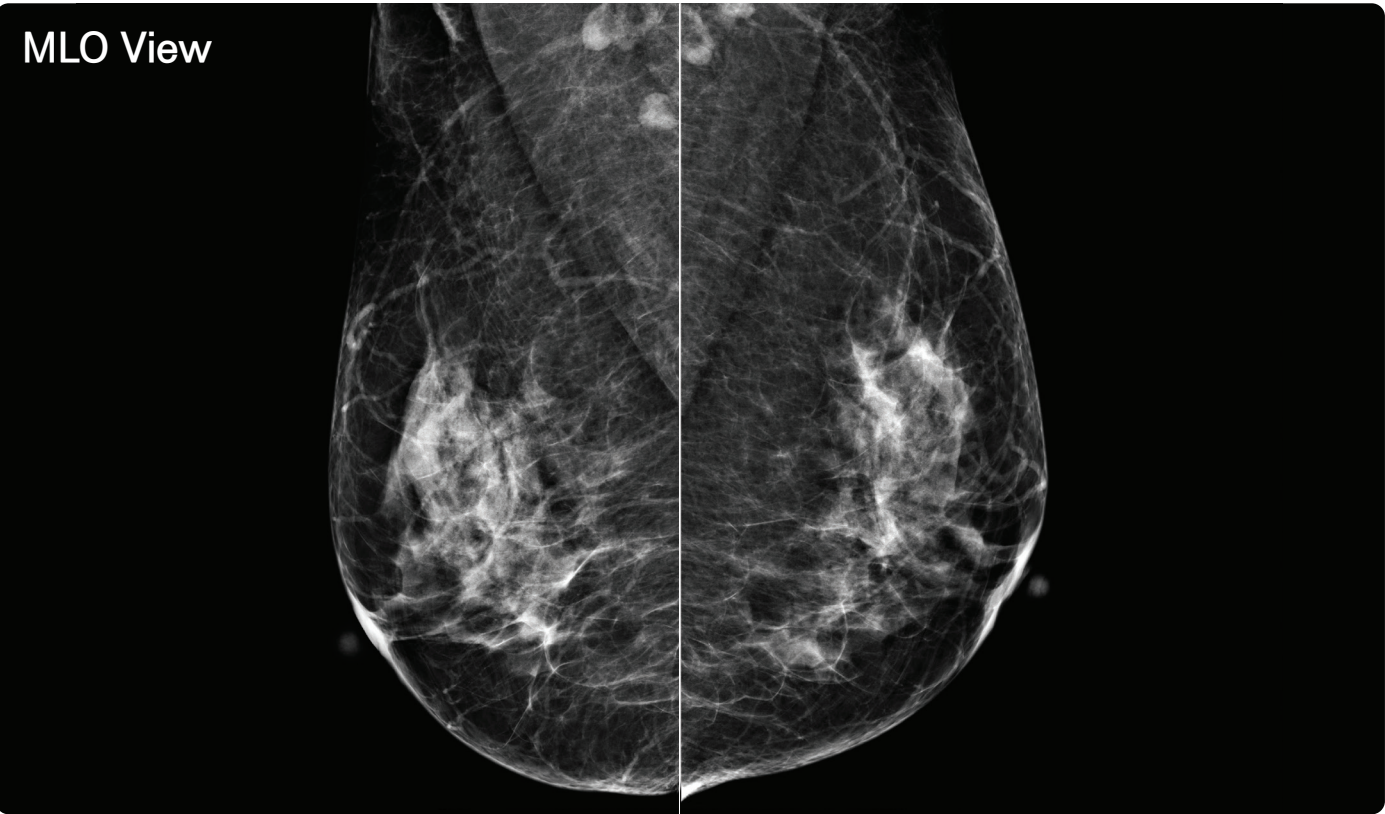
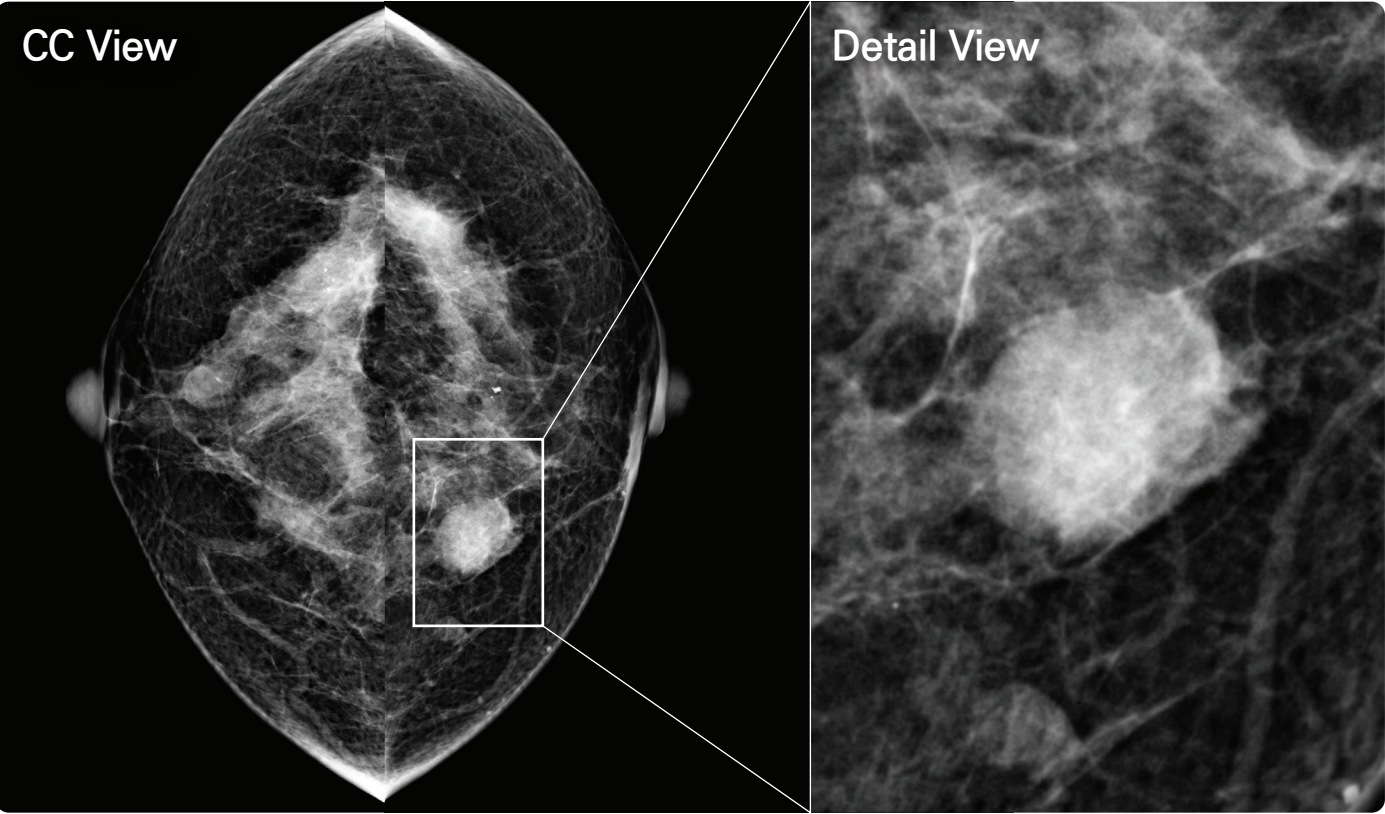
Auto Positioning for EffectiveOperational Process

It is possible to quickly and easily set the next shooting position while maintaining the patient's breast height information



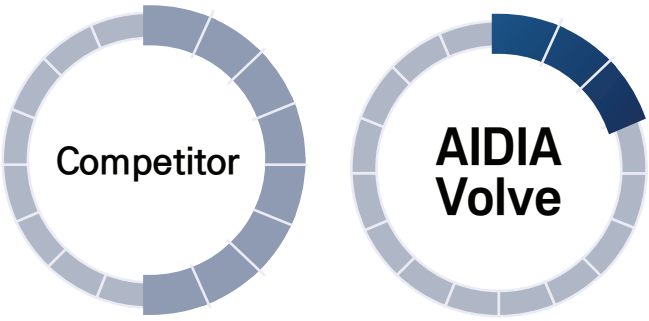
76μm High Quality Images

High Quality Images by TRUVIEW M Image Processing & FOCUS Csl



Less Pain Technology for Pain Less Screening

1-2-3 paddle release, patients experience breast screening more pleasant and comfortable.



[Compression time comparison]

RConsole2 : Mammography UI Software



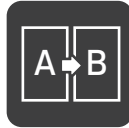
Work Smart UI



Instant Image Compare



Universal QAP



MAX Hanging Protocol

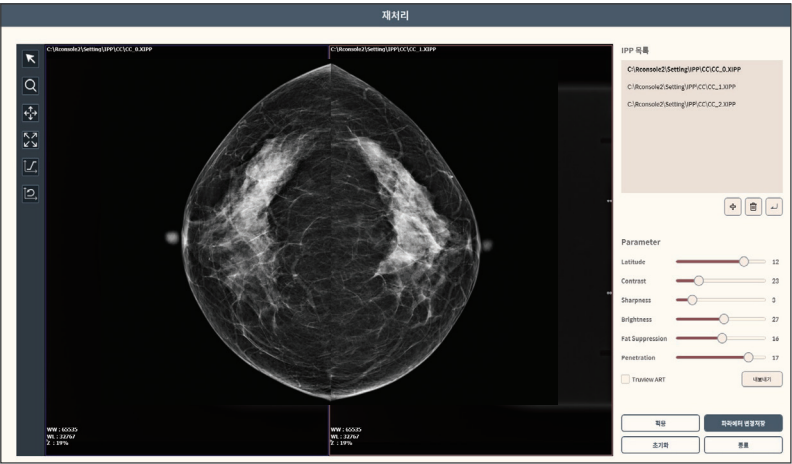


TRUVIEW M Processing



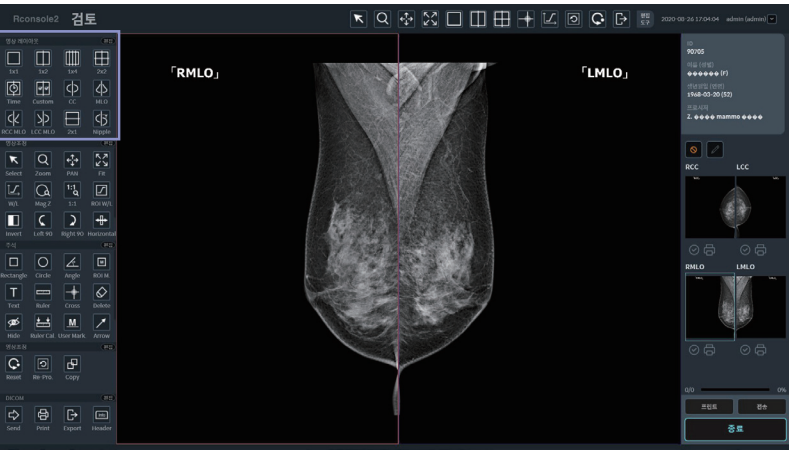
Advanced Image Parameter & Display Tools

- Image Parameter Adjustment Tool**
Easy image parameter setting tool for customized image style setting (3 default AIDIA optimized parameter provided)
- Instant Image Compare**
Compare before & after image parameter styles instantly
- Auto Nipple Alignment**
Easy image symmetry display

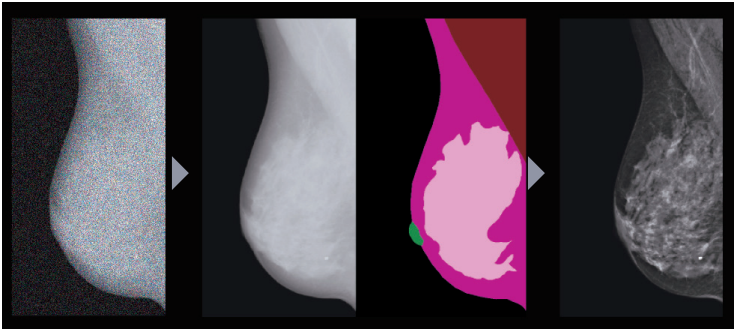


Convinient Patient & Image Management

- MAX Hanging Protocol**
Comparison of various image protocols
- Time Machine**
Easy patient tracking with past image recall



TRUVIEW[®] M Powerful AI Image Processing with Breast Type Optimization



- Increased micro-calcification & lesion detectability with low noise image
- Clear depiction of breast structures maintained for dense breasts
- Consistent images regardless of breast variance
- Maintained high-quality images at low dose with AI technology

Mammography Specialized Global QC Protocol

- Universal QAP**
Supports over ten QAP Protocol for highest system & image quality maintenance
- Digital Manual**
Provides digital manual for easy and fast quality control procedures
- QAP History**
QAP report history tracking for systematic maintenance

Global QAP History					
Protocol	System	Image	Operator	Time	Result
Flat-field Test	2020-07-22 11:40:30	Pass	admin	2020-07-29 11:40:30	
Bad Pixel	2020-07-22 11:44:07	Pass	admin	2020-07-29 11:44:07	
MTF	2020-07-21 09:36:28	Pass	admin	2020-07-28 09:36:28	
ACR	-	-	-	-	-
SNR & CNR	-	-	-	-	-
PMMA Small	-	-	-	-	-
PMMA Large	-	-	-	-	-
Artifact	-	-	-	-	-
RRA	-	-	-	-	-