FUJIFILM

ClearView-CS*m*

According to the National Breast Cancer Foundation, more than two million breast cancer survivors are living in the United States today. As new advancements emerge to aid in early detection, such as digital mammography, this number will continue to grow. Fujifilm is proud to be a part of this positive development. We've been dedicated to early detection for more than twenty years now: introducing digital mammography to the world with the launch of our first CR for mammography system back in 1983. Since then, Fujifilm has been improving our Women's Health products through extensive research and development, including feedback from technologists and radiologists worldwide.

High-volume, High Resolution Digital Mammography

The ClearView-CS*m* employs a multi imaging plate (IP) cassette stacker, along with dual-side reading technology and 50-micron sampling capability. Images can be acquired on both 18 x 24 cm and 24 x 30 cm-sized IP cassettes. The ergonomically designed system uses four independent drives for redundancy, and Fujifilm's unique IP reading technology, provides a throughput of up to 80 18x24cm imaging plates per hour.*

Dual-side Reading with 50-micron Sampling

For mammography, the ClearView-CS*m* has dual-side reading capability so captured x-ray information can be read from both sides of the IP simultaneously. And with 50-micron sampling (20 pixels/mm), the spatial resolution provided by the ClearView-CS*m* dramatically reduces the difficulty of interpreting the limited contrast and narrow exposure latitude associated with screen-film mammography.

Multi-room, Multi-tasking Capability

With ClearView-CS*m* you can convert to digital using your existing mammographic units. Its multi-room capability permits several mammography rooms to be supported by one reader. Thus, for the cost of only one Fujifilm CR mammography system an entire mammography department can be converted to digital.

The ClearView-CS*m* also reads standard IPs for general radiographic procedures. It has the flexibility to process all standard sized cassettes for general radiographic work. This multi-tasking feature makes the unit suitable for digital radiographic applications beyond those for mammography. It can be particularly valuable in a high exam volume imaging center where a single CR reader can be used to produce high definition digital mammography and general radiographic digital images.

*Throughput based on patient mix and reader location.

FCR *m*
Digital Mammography

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Advanced Image Processing

Three important image-processing features of Fujifilm Digital Mammography are Dynamic Range Control (DRC), Multi-objective Frequency Processing (MFP), and Pattern Enhancement Processing for Mammography (PEM). DRC improves the visibility of both dense and soft tissue by amplifying or reducing image density and contrast. MFP selectively applies varying degrees of edge enhancement processing to each individual breast structure dependent on size for improved image quality. PEM detects and improves the conspicuity of minute structural information within the breast, such as micro-calcifications, through pattern recognition for easier visualization.

Image Intelligence™

DIGITAL MAMMOGRAPHY
Cassettes - DM
Pixel Sampling - 50 micron

IP Type	Throughput*
HR-BD • Dual-side	
24 x 30 cm	65 IPs/hr.
18 x 24 cm	80 IPs/hr.

Final interpretation for mammography requires FDA cleared display devices.

DIGITAL X-RAY
Cassettes - C, Long View and P
Pixel Sampling - 50 micron

IP Type	Throughput
ST-BD • Dual-side**	
24 x 30 cm	65 IPs/hr.
18 x 24 cm	80 IPs/hr.

Pixel Sampling - 100 micron

IP Type	Throughput
ST-VI or HR-V • HQ	
14" x 17" (35 x 43 cm)	103 IPs/hr.
14" x 14" (35 x 35 cm)	120 IPs/hr.
10" x 12"	128 IPs/hr.
8" x 10"	165 IPs/hr.

* Actual throughput based on patient type and reader location.

** Pediatrics

IIP*m* Technologist Console
Minimum Specifications for Mammography

CPU	Pentium 4, 3.2 MHz
Memory	2GB
HDD	160GB
Monitor	2 MP LCD

Cycle Time
Approximate 40-65 seconds (HQ)
75-85 seconds (Dual-side)

Network Connection
Network Drop
RJ-45 connection,
100 base-T network
Network switch set to half duplex

External Dimensions
W25.8" x D29" x H58.3"
W655 x D740 x H1480 (mm)

Weight
627 lbs. (285KG)

Power Requirements
110V, 7A (Max)

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