



# Radiography and Mammography Viewing Systems



**S&S RADX**

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# Mammography Workstation

For Comparing Films with Electronic Images



# Mammography Workstation

**Elegant combination of digital and film display.** The Mammography Workstation is the perfect answer for those departments converting to new digital formats while comparing these images to prior film-based studies. It combines into one compact frame both a motorized film belt and an area for a PACS or CAD workstation, resulting in an elegant mammography reading station.

**Improving the radiologist's efficiency.** The Mammography Workstation places both the films and digital images in front of the radiologist, thus eliminating awkward reading positions that occur when a computer workstation is adjacent to a motorized viewer.

The motorized belt holds up 600 films (18 x 24 cm), and exceeds ACR recommendations for mammography reading. Its external horizontal shutters and automated vertical shade provide efficient film masking.

**At your fingertips for convenience and ease of use.** To maximize the radiologist's workspace, the desk extends the width of the viewer. The standard touchpad controls for the motorized belt put random frame selection, as well as lighting and shade management at the radiologist's fingertips. Next and Previous buttons support quick movement during sequential film reading; moreover, an optional Foot Switch also can be used for hands-free belt activation. For convenient computer hardware connections, the Mammography Workstation includes a six-outlet, hospital-grade power strip with its own power switch.

## Specifications

Product Number .....	08-01001	Frame access	
Luminance .....	Exceeds ACR recommendations for mammography	Next/Prior .....	Standard buttons
Dimming .....	5 positions	Specific Frame Access ....	Numeric keypad integrated with control panel
Lamps .....	4 fluorescent lamps; 40 Watts each	Dimensions, in inches	
Viewing format .....	4-across (24 x 30 cm); 6-across (18 x 24 cm)	Operating (WxHxD) .....	62 x 62.5 x 44.75, including casters
Viewing area (WxH) .....	102 x 30 cm (40 x 12 inches)	Shipping (WxHxD) .....	62 x 62.5 x 30, including casters
Films		Desk (WxHxD) .....	61.75 x 29 x 15.5, with cut-out for close reading
Transport mechanism .....	1 horizontal belt; 100 frames	Weight .....	600 lbs.
Capacity, total .....	400-24 x 30 cm; 600-18 x 24 cm	Electrical .....	118 VAC, 60 Hz, 10 Amps; 6-outlet, hospital-grade power strip included with separate power switch
Masking		Color Temperature .....	6,500 K
Vertical .....	One continuous motorized shade; 2 programmable positions	Maximum Heat Output .....	3,000 BTU/hr
Horizontal .....	Two manual shutters (left and right)	Certifications/Listings .....	UL and Canadian UL

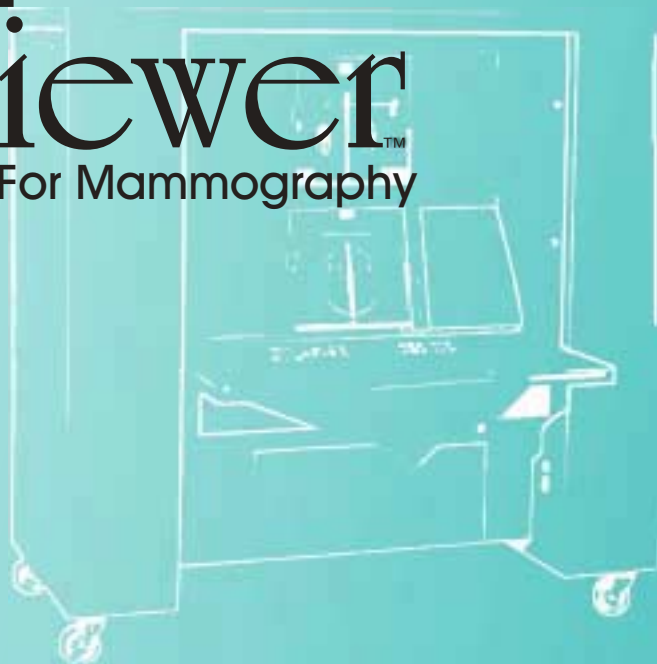
CAD and/or PACS system not included.



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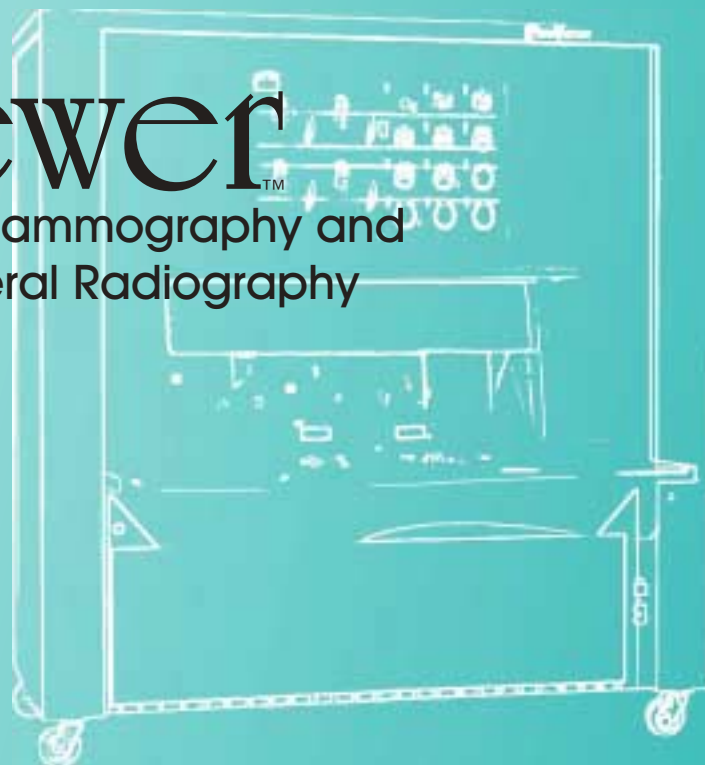
# Crystal Viewer™

For Mammography



# Flexi Viewer™

For Mammography and  
General Radiography





# Crystal Viewer

For Mammography

- 3,100 to 8,000 Nit\* adjustable range with 5 dimming levels
- Minimum luminance at 3,100 Nit
- Peak luminance at 8,000 Nit
- Maintains 7,500 Nit for 8+ hours
- Supports up to 800 films (24 x 30 cm)
- Enhances productivity by allowing the radiologist to adjust luminance to the intensity needed for each image's density as well as to the ambient light level in the reading room
- Reduces radiologist's eyestrain and fatigue
- Ensures viewer exceeds ACR recommendations, even when dimmed to lowest level of luminance
- Supports viewing in rooms with high ambient light levels
- Provides luminance for reading dense images
- Temperature-stability eliminates concern that light level will "drop off" throughout the day
- Reduces downtime since viewer doesn't need to be loaded as often as those with less film capacity

## To Make Film Interpretation Easier...

- Two independent belts
- Continuous motorized vertical shade in each tier
- Rapid frame centering
- 21 inches of leg room
- Unique lighting system
- Allows radiologist to keep the current films in view while scrolling through previous studies
- Eliminates light leakage that occurs between divided shades
- Provides increased contrast via the sharp edge on the shade
- Reduces the time required to center the selected frame at the appropriate reading position
- Enhances radiologist comfort when sitting for long periods because legs can be stretched out
- Provides greater uniformity of luminance (no dividers or baffles)

\*Nit = Cd/m<sup>2</sup>

# Specifications

	<b>CrystalViewer</b> 08-00972	<b>FlexiViewer</b> 08-00976
Part Number	08-00972	08-00976
Luminance (Nit*)		
Peak	8,000	6,000
Minimum	3,100	3,100
Dimming	5 levels	5 levels
Lamps	4 Daylight fluorescent lamps per light panel	6 Daylight fluorescent lamps per light panel
Viewing format	4-over-4 (24 x 30 cm) 6-over-6 (18 x 24 cm)	4-over-4 (14 x 17 inch) 6-over-6 (24 x 30 cm) 8-over-8 (18 x 24 cm)
Viewing area (WxH)	40 x 24 inches	57 x 34 inches
Film belts	2 single-tier, horizontal; 100-frame belts	2 single-tier, horizontal; 50-frame belts
Film capacity, total	800 (24 x 30 cm) 1,200 (18 x 24 cm)	400 (14 x 17 inch) 600 (24 x 30 cm) 800 (18 x 24 cm)
Masking		
Vertical	One continuous motorized shade per tier; 2 programmable positions	One continuous motorized shade per tier; 2 programmable positions
Horizontal	Two manual shutters (left and right) per tier	Two manual shutters (left and right) per tier
Frame Access		
Next/Prior	Integrated with control panel	Integrated with control panel
Numeric entry	Keypad integrated with control panel	Keypad integrated with control panel
Dimensions, <i>in inches</i>		
Shipping (WxHxD)	62 x 62.5 x 30, including casters	69 x 74 x 30, including casters
Operating (WxHxD)	62 x 62.5 x 42.5, including casters	69 x 74 x 41.5, including casters
Desk (WxHxD)	39.75 x 28.75 x 12	57 x 29.75 x 12
Depth of leg space	21	21
Weight	615 lbs.	740 lbs.
Certifications/Listing	UL and Canadian UL	UL and Canadian UL

## Accessories & Options

<b>CoolBrite™</b>	<ul style="list-style-type: none"> <li>Enhances reading with a high-intensity light (18,000 Nit)</li> <li>Reduces clutter with its small footprint</li> <li>Eliminates undesirable heat that is characteristic of incandescent "hot lights"</li> <li>Models with adjustable aperture or without</li> </ul>	08-00923 or 08-00928
<b>CrystalFile™</b>	<ul style="list-style-type: none"> <li>Increases desk space by 74 percent</li> <li>Aids in organizing reading area with a storage drawer and space for film jacket files</li> <li>Fits individual work environments since it can be made for left or right side of viewer</li> <li>Meets tight space requirements since it stays within the width of the viewer</li> </ul>	08-00980L or 08-00980R
<b>Film Jacket File (CrystalViewer)</b>	<ul style="list-style-type: none"> <li>Installed above viewer</li> <li>Organizes work space by storing film jacket files</li> </ul>	08-00982
<b>Film Jacket File (FlexiViewer)</b>	<ul style="list-style-type: none"> <li>Installed below viewer</li> <li>Organizes work space by storing film jacket files</li> </ul>	08-00719
<b>Foot switch</b>	<ul style="list-style-type: none"> <li>Provides hands-free belt advancement</li> </ul>	20-00007
<b>Panoscope™</b>	<ul style="list-style-type: none"> <li>Magnifies image detail while eliminating extraneous light;</li> <li>2+ or 3.5+ Diopter lenses</li> </ul>	08-00907 or 08-00936
<b>Instrument Mounting Arms</b>	<ul style="list-style-type: none"> <li>Increase work space by moving equipment off the desk</li> <li>Fit work area needs: choose from fixed or pivoting arm and right or left-side mounting</li> </ul>	08-00985 or 08-00986

\*Nit = Cd/m<sup>2</sup>



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# FlexiViewer

For Mammography and  
General Radiography

- Supports 400 large general radiographs, 600+ mammograms, or any combination of both
- 3,100 to 6,000 Nit adjustable range with 5 dimming levels
- Supports those imaging centers with tight floor space and/or budgets who need one viewer but read multiple film sizes
- Increases usage time since the viewer doesn't need to be loaded as often as those with less film capacity
- Eliminates the need for special belts or adjustments to view films of different sizes
- Supports mammography reading by exceeding ACR recommendations
- Enhances productivity by allowing the radiologist to adjust luminance for each image's density as well as to the ambient light level in the reading room
- Reduces radiologist's eyestrain and fatigue



Digital control panel includes an LCD to indicate current frame position.

- Integrated keypad for random frame selection
- Provides a quick, efficient method for reading films that are not placed sequentially on the viewer
- Eliminates the need for the radiologist to read films in a particular order
- Previous / Next buttons
- Enhance radiologist's ability to read cases sequentially

# MS824

Mammography Viewer



# MS824

## Mammography Viewer

**Perfect for  
high-volume  
screening centers.**

The MS824A mammography viewer provides a cost-effective solution for high-volume centers. The single-belt system supports and 800-film capacity in a 4-over-4 format, thus ensuring that radiologists won't spend extra time waiting for film to be loaded or unloaded.

**At your fingertips.**

The control panel includes Next and Prior buttons to ensure the radiologist can efficiently screen films. Four motorized vertical and two manual horizontal shades provide quick film masking.

**Accessories and  
Options.**

Auto Select, Belt Advance Foot Switch, Pivot or Fixed Instrument Mounting Arm, and Film Jacket File.

### Specifications

Product Number	08-00984
Peak Luminance	6,000 Nit
Color Temperature	6,500 K
Lamps	4 Daylight fluorescent lamps per light panel (2 panels)
Maximum Heat Output	3,600 BTU/hr
Fluorescent Dimming	5 Positions
Film Capacity (Standard)	800-24 x 30 cm
Film Belt	1 Dual-tier, horizontal; 100 frames
Vertical Masking	2 Motorized Shades
Horizontal Masking	2 Manual Shutters
Operating Dimensions (WxHxD)	62 x 62.5 x 42.5 inches, including casters
Shipping Dimensions (WxHxD)	62 x 62.5 x 30 inches, including casters
Weight	615 lbs.
Maximum Current	10 Amps
Certifications/Listing	Pending



# MS880

Mammography Viewer



# MS880

## Mammography Viewer

**Three years  
of films  
at once.**

The MS880A single-belt viewer is wide enough to present twelve 24 x 30 cm mammography films concurrently. Thus, the radiologist can comfortably view three years of film without ever changing belt frames.

**At your fingertips.**

The control panel includes Next and Prior buttons to ensure the radiologist can efficiently screen films.

**Accessories and  
Options.**

Auto Select, Belt Advance Foot Switch, Pivot or Fixed Instrument Mounting Arm, and Film Jacket File.

### Specifications

Product Number	08-00987
Peak Luminance	7,000 Nit
Color Temperature	6,500 K
Lamps	6 Daylight fluorescent lamps per light panel (2 panels)
Maximum Heat Output	3,600 BTU/hr
Fluorescent Dimming	5 Positions
Film Capacity (Standard)	780-24 x 30 cm
Film Belt	1 Dual-tier, horizontal; 65 frames
Vertical Masking	2 Motorized Shades
Horizontal Masking	2 Manual Shutters
Operating Dimensions (WxHxD)	69 x 62.5 x 42.5 inches, including casters
Shipping Dimensions (WxHxD)	69 x 62.5 x 30 inches, including casters
Weight	750 lbs.
Maximum Current	10 Amps
Certifications/Listing	Pending



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DR014/0202

# VersaViewer

For Mammography and  
General Radiology



# VersaViewer

## For Mammography and General Radiology

**The perfect choice for multi-film reading.** The VersaViewer supports both 14 x 17 inch and mammography-sized films on a vertical belt, allowing the radiology department to mix or match film sizes with equal security of film retention. The combination of a large viewing area and a customized vertical belt allows the radiologist to see three years of mammography studies (18 x 24 cm films) concurrently for the ultimate in film comparison efficiency! The frame is designed to allow the radiologists to comfortably stretch their legs while reading films.

**For fast, efficient reading.** Moreover, during film placement, the technologist can program the VersaViewer to store the positions for the four independent curtains for each frame. Frame-specific shading improves efficiency by reducing the radiologist's time spent on adjusting the viewer for proper reading conditions.

The viewer also has an optional variable intensity bright spot with joystick control for highlighting and focusing in on extra dense areas of film. When activated, the spotlight automatically finds the non-shaded area.

**At your fingertips.** The standard touchpad controls put frame selection, as well as lighting and shade management at the radiologist's fingertips. Next and Previous buttons support quick movement during sequential film reading; an optional Foot Switch also can be used for this purpose. To conserve energy, the VersaViewer includes an auto-shutoff feature that triggers after 30 minutes of inactivity. To ensure patient data confidentiality, the viewers have a security code feature that limits access to films. Four convenience outlets installed in the front of the viewer allow for easy installation of such accessories as a spot light and voice recorder.

### Specifications

Product Number .....	08-01005	Masking	
Luminance .....	Exceeds ACR recommendations for mammography	Vertical .....	Two motorized shutters; programmable frame memory
Dimming .....	5 positions	Horizontal .....	Two motorized shutters; programmable frame memory
Lamps .....	14 fluorescent lamps; 50 Watts each	Dimensions, in inches	
Viewing format .....	4-over-4 (14 x 17 inch); 6-over-6 (24 x 30 cm); 8-over-8-over-8 (18 x 24 cm)	Operating (WxHxD) .....	73.5 x 79 x 44.5, including casters
Viewing area (WxH) .....	145 x 89 cm (57 x 35 inches)	Shipping (WxHxD) .....	73.5 x 79 x 30, including casters
Films		Desk (WxHxD) .....	69 x 30 x 14.5
Transport mechanism .....	1 vertical belt (customized); 100 frames	Weight .....	840 lbs.
Capacity, total .....	400-14 x 17 inch; 800-24 x 30 cm; 1,200-18 x 24 cm	Electrical .....	118 VAC, 60 Hz, 10 Amps; four convenience outlets
Frame access		Color Temperature .....	6,500 K
Next/Prior .....	Standard buttons	Maximum Heat Output .....	3,600 BTU/hr
Specific Frame Access .....	Numeric keypad integrated with control panel	Certifications/Listings .....	UL and Canadian UL



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# VistaViewer

For Mammography



# VistaViewer

## For Mammography

**Vertical answer to mammography reading.** The VistaViewer for mammography features a high-capacity vertical belt and automated shades to support reading centers concerned with efficient through-put. The viewer offers high luminance for reading dense mammograms. The VistaViewer holds up to 1,200 18 x 24 cm films with no strings to distract or obscure the images; moreover, the belt can be configured for displaying 14 x 17 inch radiographs. The frame is designed to allow the radiologists to comfortably stretch their legs while reading films.

**Improved radiologist efficiency.** During film placement, the technologist can program the VistaViewer to remember the positions for the four independent curtains for each frame. Thus, when the radiologist accesses a particular frame, the shades will automatically adjust to the appropriate setting for the displayed films. The VistaViewer also has an optional variable intensity bright spot with joystick control for focusing on extra-dense areas of film. When activated, the spotlight automatically finds the non-shaded area.

**At your fingertips for security and ease of use.** The standard touchpad controls put random frame selection, as well as lighting and shade management at the radiologist's fingertips. Next and Previous buttons support quick movement during sequential film reading; the standard Foot Switch also can be used for this purpose. To conserve energy, the VistaViewer includes an auto-shutoff feature that triggers after 30 minutes of inactivity. To ensure patient data confidentiality, the viewer has a security code feature that limits access to films. Four convenience outlets installed in the front of the viewer allow for easy installation of such accessories as a spot light and voice recorder.

### Specifications

Product Number .....	08-01002	Frame access	
Luminance .....	Exceeds ACR recommendations for mammography	Next/Prior .....	Standard buttons
Dimming .....	5 positions	Specific Frame Access .....	Numeric keypad integrated with control panel
Lamps .....	10 fluorescent lamps; 40 Watts each	Dimensions, in inches	
Viewing format .....	4-over-4 (24 x 30 cm); 6-over-6 (18 x 24 cm); 3 across (14 x 17 inch) <sup>1</sup>	Operating (WxHxD) .....	61.25 x 72 x 44.5, including casters
Viewing area (WxH) .....	102 x 64 cm (40 x 25 inches)	Shipping (WxHxD) .....	61.25 x 72 x 30, including casters
Films		Desk (WxHxD) .....	57 x 28 x 14.5
Transport mechanism .....	1 vertical belt; 100 frames	Weight .....	840 lbs.
Capacity, total .....	800-24 x 30 cm; 1,200-18 x 24 cm	Electrical .....	118 VAC, 60 Hz, 10 Amps; four convenience outlets
Masking		Color Temperature .....	6,500 K
Vertical .....	Two motorized shutters; programmable frame memory	Maximum Heat Output .....	3,600 BTU/hr
Horizontal .....	Two motorized shutters; programmable frame memory	Certifications/Listings .....	UL and Canadian UL

<sup>1</sup>Belt may be custom-configured, at no extra charge, to support 14 x 17 inch radiographs



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