

VERTICAL VIEWER MV220 / MV400

IDEAL FOR THE FULL SPECTRUM OF GENERAL RADIOLOGY



MOTORIZED VIEWERS

- MV220 or MV400 - VERTICAL VIEWER
- MV220C or MV400C - VIEWER W/ MOTORIZED CURTAINS
- MV220S or MV400S - VIEWER W/ ROVING SPOTLIGHT
- MV220CS or MV400CS - VIEWER W/CURTAINS AND SPOTLIGHT

This **versatile vertical belt automatic viewer** is ideal for *sequential interpretation of films*. The viewers feature advanced microprocessor control technology, smooth and quiet operation, and film viewing without obstructing strings! The standard **auto-indexing** feature rapidly accesses a selected frame (moving at a speed greater than one frame per second) and automatically centers the film in the proper viewing position.



Variable intensity illumination, ranging from 100% down to 60% in increments of 10%, allows the radiologist to select the proper level of illumination for a specific type of film, change the intensity for other films, and easily and precisely return to the original level. High frequency energy efficient electronic ballasts provide flicker free reduced eyestrain viewing.



The combination of a **microprocessor** and a coffee resistant **membrane touch pad control** insures years of trouble free use. The **vertical transport belt** features exceptionally quiet operation, and is designed to prevent film loss or damage while in the viewer. **Angulated viewing of 5°** cuts glare. The belt can accommodate any size film up to 14"x17". **Mix or match your film sizes with equal security of film retention.** Films slide easily and securely into narrow plastic grips on each frame. There are *no strings* to distract or obscure the viewing of films. The durable plastic film grips minimize the space between the top and bottom tier for ease of comparison.

Eight 14"x17" films can be viewed simultaneously. The units hold **220** or **400 14"x17" films** (greater quantity with smaller films).

The C and CS models have **full manual and programmable shutter capability** allowing for proper collimation to any film format. When films are loaded into the viewer, the shade locations can be easily set manually (or through the use of one of four programmable presets) and programmed into the **frame-specific memory** with the touch of a button. The curtain memory can be easily individually set for each frame on the machine, so that when the radiologist calls up a specific frame, the curtains move automatically to their preset location for that particular set of films (Manual movement of the curtains can easily be used to fine tune the curtain locations). Optional

customized belts are available and recommended (for C and CS models only) for mixing film formats, and in particular for mammographic films. **The customized belt enables the simultaneous display and full shading of 3 years of screening 18x24cm mammographic studies!**

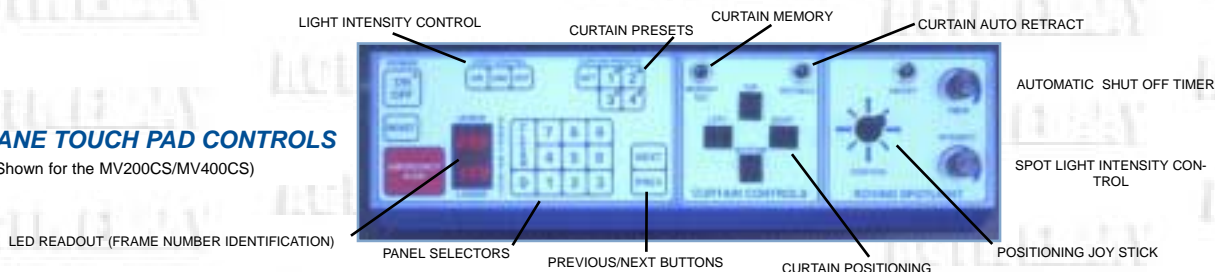
A joystick-controlled **variable intensity moving bright spot** can be quickly positioned anywhere on the lower tier to add the extra brightness needed to read dense film. When the bright spot is activated it rapidly locates the non-shaded region on the viewing surface, then turns on. Care was taken in the design of the control pad and in the programming of the unit so that all functions are intuitive to the user, and easily and quickly learned and assimilated.

To conserve energy, the units feature **auto-shutoff** when there is inactivity for 30 minutes. There is also the ability to program security codes into the machine to limit access to films loaded into the viewer.

The C and CS models with fully **programmable motorized shades (with frame specific memory in addition to programmable memory presets)** easily **exceed the proposed ACR requirements for mammography.**

MEMBRANE TOUCH PAD CONTROLS

(Shown for the MV200CS/MV400CS)



Lighting: MV220, MV220S, MV400, MV400S: 4 - 15 Watt Daylight fluorescent vertical bulbs per section. MV220C, MV220CS, MV400C, MV400CS 14 - 60 Watt Daylight fluorescent horizontal bulbs per viewer.

OPTIONS: **MV220-2 FOOT SWITCH** - Hands free selection of frames (scan frames either forward or back).

MOTORIZED CURTAINS: FULL SHUTTER CAPABILITY Four curtains adjust independently for any opening size or location. Curtain memory can be set individually for automatic collimation of each frame.

CUSTOMIZED BELTS: (C & CS models only) Design your belt to fit your needs - consult factory.

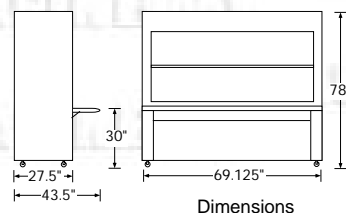
ROVING SPOTLIGHT: (Bottom Tier Only) Spotlight can be positioned anywhere on the lower tier with the touch of the joystick. Roving spotlight is programmed to coordinate with automatic collimation of shutters and will automatically move to the open area when activated. To allow the bright spot to move, the standard internal dividers are removed.

Base: 2.5" Swiveling Casters

Finish: Attractive durable baked on polyester, in light grey with blue sides. Shelf is finished in blue laminate with Oak bullnose trim.

Electrical: 118 volts, 60HZ AC, 1 phase, total amperage draw with all lights on and motor running-10 amps.

Approx. Weight: MV220 - 1140 Lbs., MV400 - 1190 Lbs.



Dimensions

