GE Medical Systems introduces an image display system of tremendous magnitude.

High-performance, 27" monitor.
Clear, crisp images for teaching and diagnostics. RGB or composite video inputs.

Push-button control.
Activate zoom control, image enhancement, and on-screen pointer at the touch of a button.

5" preview monitor.
Allows the lecturer to view visuals for image set-up and positioning.

Light intensity adjustable lighting.
For steady, flicker-free display of images from film, paper, or even 3-D objects.

Integrated mobile base.
Sleek, sturdy, and functional. proview can be easily unmounted for desk-top use.

The proview™ image display system is a completely self-contained system designed specifically to enhance the clarity and force of medical instruction. The system provides a way of presenting a clear, close up view of X-rays, CT scans, Ultrasound, MR, and other diagnostic images. It's ideal for use in classrooms, conferences, lecture halls, presentations... any situation where two or more medical professionals want to view and discuss the same image.

For complete technical specifications on this exciting new teaching tool, please turn the page...
The technical side of the proview image display system.

High-resolution CCD camera
provew's solid state CCD camera provides high picture quality and good sensitivity. The accuracy of the imaging system ensures precise image geometry over the full picture with no distortion, insensitive to burn-in and magnetic fields, unaffected by shock or vibration, a constantly high level of performance is assured over long and maintenance-free periods.

Adjustable light intensity lightbox
provew's light table is big enough to handle everything from a 35mm slide to a full size (30 × 40 cm.) chest x-ray. Neon tubes, illuminating film from below, never flicker, even when the lightbox is initially switched on. Intensity can be adjusted from 500 to 9,000 lux—the equivalent of 3.5 aperture F-stops. Neon tubes burn cool, eliminating the need for noisy fans.

Peak white inverter
When the peak white inverter switch is flipped to the "ON" position, provew automatically tells you when you have optimum lighting conditions for the maximum dynamic range of the camera. When light areas of an image get too bright, provew automatically blackens them, improving the perceived perception. Also prevents glare with automatic masking and eliminates need for mechanical or electronic shutters increasing the ease of use.

Image enhancement
A double gamma correction feature enhances fine and gross details on every diagnostic image by increasing contour and contrast. The built-in video compression capability makes hard-to-see details "pop up" and stand out from the rest of the film.

Video reverse
By flipping a switch you can reverse the video signal, so black appears as white and white appears as black. Video reversal helps highlight fine detail in skeletal and soft tissue x-rays and mammograms.

Video pointer
A joy stick moves the video pointer to any part of the image on any part of the screen. At the touch of a button you can rotate the angle of the pointer so it never obstructs the image you're looking at. Or you can make the pointer blink. Choose from four symbols—arrow, cross hair, circle, and circle with cross hairs—in two sizes: large and small. The pointer appears as a white graphic with a solid black outline to make it clearly visible on any background.

Dual video outputs
The provew system has both RGB and composite video outputs. By feeding the RGB signal into the RGB/video monitor, you get the sharpest image picture possible. With the composite video signal, you can drive 6 or more monitors on their own or an infinite amount with an optional video signal distribution amplifier. This, of course, increases the flexibility of the provew system and makes it possible for images to be viewed simultaneously by hundreds of doctors and students in different rooms and different floors of the institution. An external video input allows you to use provew with a VCR or any other type of video training system.

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Video reverse. Reverses video image to enhance fine detail.
External video switch. Allows provew's 27" monitor to accept external video signals such as from VCR.
Over/under lighting switch.
Flip the switch to change from overhead illumination for displaying solid objects and printed matter... to lighting from underneath for viewing films and transparencies.
3-way switch. For setting zoom, focus, and iris.
Tele-zoom. Zoom-in on a specific area of the image with 10X magnification.
Dimmer. Adjust intensity of lighting for optimum viewing and better light penetration of films.

Come take a close up look at provew. Call toll-free 1-800-433-5566 for information on how you can attend a demonstration of provew.
4 powerful options that add even more versatility to your proview image display system.

Remote control. Allows you to control proview from a distance. Ideal for teachers who prefer to talk from a podium or a desk instead of standing by proview. The remote control comes with a by-pass plug and security keylock that prevent unauthorized personnel from using the system.

Character generator. A slim computer keyboard that allows you to type a lecture or headings and captions and then superimpose them over the image on the screen. Stores four pages of text and up to 50 separate lines of copy in memory.

LI-6 hard copy imager. Compact, high-resolution laser printer makes a hard copy of the screen display in 7.5 seconds. Costs as little as 2 cents per page to use. Turns proview into a powerful medical publishing system for producing reports, reference copies, case studies, or lecture notes.

Video writer. A graphics device that lets you draw lines, arrows, circles, and sketches free-hand and then superimpose them over the image on the screen. Helpful for highlighting specific features of a diagnostic image or dramatizing a presentation.

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**Summary of Main Specifications**

<table>
<thead>
<tr>
<th>proview</th>
<th>TV monitor</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dimensions:</strong></td>
<td>28¼&quot; W × 56½&quot; H × 23¼&quot; D</td>
</tr>
<tr>
<td>(68 × 143 × 60 cm)</td>
<td>(62 × 51 × 46 cm)</td>
</tr>
<tr>
<td><strong>Weight:</strong></td>
<td>308 lbs. (140 kg.)</td>
</tr>
<tr>
<td><strong>Shipping:</strong></td>
<td>27¼&quot; W × 57½&quot; H × 24¼&quot; D</td>
</tr>
<tr>
<td>(70 × 145 × 62.5 cm)</td>
<td>(74 × 63 × 52.5 cm)</td>
</tr>
<tr>
<td><strong>Weight:</strong></td>
<td>330½ lbs. (150 kg.)</td>
</tr>
</tbody>
</table>

**Power Consumption**

- **Power Supply:** 12V DC Preview monitor + ± 15V DC Enhancer and peak white + 24V AC Lights and pointer
- **Total System Current Consumption:** Max. 250 Watts — 115V, 50/60 Hz
- **Warm up time:** System fully functional in 5 sec.
- (Lightbox: 15 mins./TV monitor: 90 mins. to meet specification)

**Output/Connections**

- **Output signal:** 7.5MHz + 1 db. EIA 525/60 or CCIR 625/50
- **Connections:** 8 pin RGB J-connector
- **Cable:** Included
- **Video out:** BNC connector
- **External in:** BNC connector
- **Two AUX power out:** AUX 1 - Video monitor • AUX 2 - Max 2 amps
- **Fuse:** 5 amps
- **Remote control:** Security bypass and Lockout key

**27" Color Monitor**

- 27" 110° autocovertension picture tube
- Pitch: 0.82mm
- Display capability: 64 characters/line (5 × 7 dot matrix)
- Total number of characters: 1600
- Horizontal resolution: 500 pixels
- Vertical resolution: 575 active lines (interlaced)
- Built-in speaker for audio monitoring • Full array of video and RGB inputs

**Preview Monitor**

- 5" Black and White TV monitor • Factory optimized

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**TV Camera**

- Frame transfer CCD • Equivalent to 1/3 format • Pixels 600 H × 588 V
- Resolution: 450 TV lines Horizontal • 420 TV Lines Vertical
- Signal to noise: 50 db
- Gamma correction
- Adjusted to 0.6
- **MTBF:** > 100,000 hours

**Optical System**

- 11.6 · 21 · 10 · 100 mm focal length × 10 zoom
- Motorized iris and focus adjustment for specialized applications • 13 elements
- Close-up lens: 1 Diopter
- Mirrors: Optical quality front surfaced mirrors

**Imaging Deck**

- Shatterproof glass: 26¼" W × 15½" D (68 × 38 cm) • Light area: 11¼" × 15¼" (30 × 40 cm) • False back: 7¾" (20 cm)
- Effective work area: 26¼" × 22¾" (68 × 58 cm)
- Access slot allows imaging large format films

**Neon Lightbox**

- Adjustable light intensity, long life neon tubes
- Power consumption: 4.2 amps
- Light range: < 800 lux - > 9,500 lux (over 3.5 equivalent f-stops)
- Flicker-free • Color temp. optimized • Low heat • 24V AC

**Overhead Light**

- Dimmer controlled neon tube • Flicker-free • Long life tube • Low heat • 24V AC

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For an invitation to one of the many demonstrations of proview to be held throughout the country, please call us toll-free at 1-800-433-5566. Or write us today.