### Specifications

<table>
<thead>
<tr>
<th><strong>Input Signal</strong></th>
<th><strong>Specifications</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Video</td>
<td></td>
</tr>
<tr>
<td>RF signal</td>
<td>950 kHz - 1080 MHz</td>
</tr>
<tr>
<td>Component</td>
<td></td>
</tr>
<tr>
<td>S-Video signal</td>
<td>2.9 to 3.6 MHz</td>
</tr>
<tr>
<td>RGB signal</td>
<td>135 to 175 MHz</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Input</strong></th>
<th><strong>Specifications</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>RGB input</td>
<td>16.00 Vp-p / 75Ω</td>
</tr>
<tr>
<td>Component</td>
<td>4.00 Vp-p / 75Ω</td>
</tr>
<tr>
<td>S-Video</td>
<td>1.00 Vp-p / 75Ω</td>
</tr>
<tr>
<td>RGB signal</td>
<td>1.10 Vp-p / 75Ω</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Output</strong></th>
<th><strong>Specifications</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>RGB video</td>
<td>16.00 Vp-p / 75Ω</td>
</tr>
<tr>
<td>Component</td>
<td>4.00 Vp-p / 75Ω</td>
</tr>
<tr>
<td>S-Video</td>
<td>1.00 Vp-p / 75Ω</td>
</tr>
<tr>
<td>RGB signal</td>
<td>1.10 Vp-p / 75Ω</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>functions</strong></th>
<th><strong>Specifications</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Power consumption</td>
<td>350W at 240V 50Hz</td>
</tr>
<tr>
<td>Efficiency</td>
<td>75%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>input/output terminals</strong></th>
<th><strong>Specifications</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 input / 1 output</td>
<td>3.5mm mini jack</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Optical accessories</strong></th>
<th><strong>Specifications</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceiling Mount</td>
<td>25x0.75x14.4 (w/o&lt;br&gt;accessories)</td>
</tr>
<tr>
<td>Wall Mount</td>
<td>15x0.6x12.0 (w/o&lt;br&gt;accessories)</td>
</tr>
<tr>
<td>Replacement Lamp (VLT-HC6800LP)</td>
<td>3.5mm mini jack</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Supplied accessories</strong></th>
<th><strong>Specifications</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>RGB signal cable</td>
<td>15 ft</td>
</tr>
<tr>
<td>RS-232C cable</td>
<td>15 ft</td>
</tr>
<tr>
<td>Lens cap</td>
<td>1</td>
</tr>
<tr>
<td>Lamp replacement tray</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Projection distance</strong></th>
<th><strong>Specifications</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Distance</td>
<td>Lens shift</td>
</tr>
<tr>
<td>80.0 ~ 300.0 cm</td>
<td>9.2 ~ 38.3 cm</td>
</tr>
<tr>
<td>120.0 ~ 300.0 cm</td>
<td>12.7 ~ 45.7 cm</td>
</tr>
<tr>
<td>160.0 ~ 300.0 cm</td>
<td>16.2 ~ 52.8 cm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Vertical direction</strong></th>
<th><strong>Specifications</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum shift</td>
<td>74.8 cm (width)</td>
</tr>
<tr>
<td>Minimum shift</td>
<td>2.0 cm (width)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Horizontal direction</strong></th>
<th><strong>Specifications</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum shift</td>
<td>38.8 cm (height)</td>
</tr>
<tr>
<td>Minimum shift</td>
<td>1.0 cm (height)</td>
</tr>
</tbody>
</table>

Deep blacks... Brilliant whites... Both at levels never believed possible
Light and dark images have never been more distinctive. Contrast so impressive it takes your breath away.

Here is the 1080P high-definition projector you’ve been waiting for. Prepare to witness beautiful, colorful imagery with well-defined blacks and bright whites.

The secret is inside Mitsubishi Electric’s advanced imaging software technology—where stark blacks reside alongside brilliant whites.

Ideal for enjoying movies in vivid color, the HC6800 offers a cinema-like experience in the comfort of your own home. Images so powerful, they will take your breath away.

Majestic Large-Screen Reproduction Regardless of Image Source

Clear and bright images

A high 1500lm for clear projection even in brightly lit rooms

The aperture ratio of the HC6800 is increased by 20% compared to conventional LCD panels, improving the light transmittance ratio. This creates clearer, more vivid images by concealing the grid between pixels. Even in the relative brightness of a living room with the curtains open—high-definition video, Blu-ray media or other sources are enjoyed to the fullest. A dedicated dark room is no longer necessary to experience the best in home theater.

Accurate color reproduction true to the image source

Wide-range cinema color filter for precise color reproduction

Even when using Cinema mode (D65), an expanded color reproduction range enables color balance adjustments spanning green and cyan spectrums—no image colors are reproduced with greater depth and brightness. DVD playback has also been improved.

Advanced Technology and Features for More Beautiful Images

Sharp, dynamic images

Diamond Black Iris – A Mitsubishi Electric Original

Our high-speed iris automatically controls the projected light quantity and analyzes brightness every 1/60 of a second. When scenes change repeatedly between light and dark, blacks are toned down using instantaneous tracking. Moreover, the HC6800 is equipped with our “Original Contrast Control” technology, allowing peak expression of white while simultaneously maintaining black gradation performance.

For the enjoyment of full high-definition

High-performance extra-low dispersion (ED) lens

The 17-piece, 14-cluster ED lens boasts higher performance than a standard glass lens. Resolution is increased another level to better define image properties.

“Deep Color” compatible – Increased image depth

Equipped with two HDMI Ver 1.3 input ports—8, 10, and 12bit native transmissions are all possible. Rich gradation and high contrast Deep Color are truly achieved.

DVD playback upconversion

“Reon-VX IC – A product of IDT, Inc. (Silicon Optix)

Reon-VX is the ideal device for converting quality high-definition and DVD into 1,080 pixel images. Thanks to a 10-bit calculation at the core of the high-precision 1P conversion function—signals from every type of video source, from digital television broadcasts to pre-recorded videos, are progressively played back with high picture quality.

Enjoy movies the way they were filmed

Supports a variety of formats

Our HC6800 handles an output of 48P, twice the speed of cinema film (24 frames per second), precise timing ensures true-to-life reproduction of Blu-ray films with original smooth movement.