## Specifications

<table>
<thead>
<tr>
<th>Engine Type</th>
<th>Panel size</th>
<th>Input terminals</th>
<th>Lens shift</th>
<th>Picture size</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-chip DLP</td>
<td>65 x 60 cm</td>
<td>RCA x 2, Component x 1, S-Video x 1</td>
<td>+5% EXTRA</td>
<td>16:9</td>
<td>WXGA</td>
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### Projection distance

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<th>Distance (m)</th>
<th>Height (mm)</th>
<th>Width (mm)</th>
<th>Depth (mm)</th>
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<tr>
<td>1</td>
<td>50</td>
<td>359</td>
<td>115</td>
</tr>
<tr>
<td>2</td>
<td>100</td>
<td>718</td>
<td>230</td>
</tr>
<tr>
<td>3</td>
<td>150</td>
<td>1077</td>
<td>345</td>
</tr>
<tr>
<td>4</td>
<td>200</td>
<td>1436</td>
<td>460</td>
</tr>
<tr>
<td>5</td>
<td>250</td>
<td>1795</td>
<td>575</td>
</tr>
<tr>
<td>6</td>
<td>300</td>
<td>2154</td>
<td>690</td>
</tr>
<tr>
<td>7</td>
<td>350</td>
<td>2513</td>
<td>805</td>
</tr>
<tr>
<td>8</td>
<td>400</td>
<td>2872</td>
<td>920</td>
</tr>
<tr>
<td>9</td>
<td>450</td>
<td>3231</td>
<td>1035</td>
</tr>
<tr>
<td>10</td>
<td>500</td>
<td>3590</td>
<td>1150</td>
</tr>
</tbody>
</table>

### Vertical direction

- **Minimum tilt**: 0°
- **Maximum tilt**: 0°

### Horizontal direction

- **Minimum shift**: 0°
- **Maximum shift**: 0°

### Dimensions

- **Panel size**: 65 x 60 cm
- **Input terminals**: RCA x 2, Component x 1, S-Video x 1
- **Lens shift**: 10% EXTRA
- **Picture size**: 16:9
- **Resolution**: WXGA

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**Note**: Specifications subject to change without notice.
Evolutionary in design and functionality, its alluring presence expresses sheer pleasure in every way and form. Embodied with cutting-edge full high-definition technologies, including advanced black color reproduction techniques, the HC7000 is setting standards for the industry. Dynamic and intriguing, exciting the senses... Just wait until you turn it on!
**The ultimate in black color reproduction.**

**Newly Developed Diamond Black Iris with 1/60-second Iris Control**

Evolutionary advancements in the HC7000 include the adoption of Mitsubishi’s original Diamond Black Iris technology. The iris section takes on a “diamond-cut” shape that prevents light refraction and realizes an enhanced level of contrast. True blacks are clearly depicted even during sequences of continual bright-dark scene intervals, ensuring the reproduction of every detail with vivid clarity. Combined together with Mitsubishi’s innovative contrast control, a perfect balance between blacks, the brightest whites and the full color spectrum in between is achieved.

**Extra-low Dispersion Glass Lens for Superior High-definition Resolution**

Superior image reproduction is provided using a 17-piece/14 cluster optical system equipped with extra-low dispersion (ED) lenses. Far exceeding the performance of conventional glass lenses, chromatic aberration is virtually eliminated and resolution across the entire screen, including the peripheral edges, is improved. Equipped with a fixed aperture, reproduction of every shade, from grays to the deepest of blacks, is ensured.

**New Optics Panel Delivers Precise Light Focusing and an Amazing Level of High-contrast**

Conventional projectors commonly have problems related to loss of light intensity; not so with the HC7000. Degraded polarization results from the offset position of the liquid crystal elements. An optical compensation panel has been newly developed and installed between the liquid crystal panel and polarization filter. This panel corrects the optical projection angle and prevents light leakage, thereby preserving the intensity and realizing new heights in the level of contrast. Together with our high-speed Diamond Black Iris, a high contrast of 72000:1 is achieved for the HC7000.

**Innovative Liquid crystal Panel Cooling System Design Realizes Industry-leading Quiet Operation - 17dBA (at low mode)**

A new cooling system is introduced for the liquid crystal panel. It includes a new cooling duct design for the new chassis, a smaller fan motor and a large (low-noise) sirocco fan. As a result, a larger air-intake area is secured and the fan operates at a slower speed, providing improved cooling efficiency owing to the hermetic performance of the new chassis. The end result is industry-leading quiet operation of 17dBA (at low mode). Mitsubishi always aims to produce the quietest projectors in the market.

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*as of July 2008, for projectors under 7.5kg (in-house study)
True-to-life Images will Amaze You.

Precision Enhanced with the Addition of Fixed Film/Video Mode to the “Reon-VX” IC from Silicon Optics Inc.

Reon-VX: Next-generation high-performance video processor
Successor to the REALTA IC manufactured by Silicon Optics Inc., renowned for its IC solutions that deliver Hollywood Quality Video (HQV), the high-quality chip is the key to improved image reproduction.

High-precision I/P conversion for all signal sources
Flexible and versatile image processing technology. Be it broadcast satellite movies, mixed video sources or even commercially packaged media, the end result is always the reproduction of beautiful picture quality.

High-performance video scaler
Full high-definition Liquid crystal Panel (1920x1080)
Chromatic up-sampling errors reduced
HQV noise-reduction (TRNR, MNR/BAR) reduces buzzing and block noise.

Full 10-bit 4:4:4 Signal Processing
Precise and accurate rendering is what you get with Mitsubishi’s 10-bit interlace/progressive (I/P) conversion image processing technology. This ultra-precise image scaling function guaranties superior pixel conversion processing when converting resolution up to 720x480p to 1920x1080p. A unique filtering technique enables adaptive switching to a total of 1024 filter tabs each horizontally and vertically, further contributing to the high-definition picture quality of the images. Our Fixed Film/Video Mode greatly improves conversion precision.

10-bit Digital Gamma Correction
High-definition Resolution and Set-up Ease

1.6X Power Zoom/Focus Dramatically Improves
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Anamorphic Lens Compatibility - Choose Setting Based on Media Played

“Deep Color” Compatible HDMI 1.3 Input Terminals
The HC7000 has two HDMI input terminals, and is capable of processing high-contrast images from 10- and 12-bit video signals in addition to the conventional 8-bit signal.

24P Blu-ray Direct Input Compatibility – Reproduction of Original Image Motion
The HC7000 is compatible with Blu-ray 24P direct output. Thanks to an output of up to 48P (1920x1080 liquid crystal panel driver), twice the speed of conventional movie signals (24 frames/sec), unbelievably life-like images are reproduced with a smoothness and texture detail that mirror the original.

An inorganic liquid crystal panel is incorporated, creating deep rich blacks and eliminating the need for the rubbing process. This realizes the reproduction of vivid high-definition images with no vertical lines. The set panel service life is approximately double that of organic film panels, translating into years of high picture quality viewing enjoyment.

Anamorphic Mode 1
Anamorphic Mode 2

Amazingly Easy to Use Anytime, Anywhere

3D Micro-surface Air Filter
The HC7000 is equipped with a 3D filter that has a three-dimensional micro-surface trameless structure, a microscopic flocking surface, and a micro-flocking surface to promote ventilation. A 3D filter attaches to the side of the projector and works as an air purification system to prevent dust and other airborne particles from entering the chassis.

Lighted Remote Controller
The HC7000 comes with a LED-lit remote controller which can be adjusted directly from the remote. Convenience is assured and exceeds the support. The remote can also be operated in sleep status.

Long-life Lamp (up to 5000 hours)
The projection lamp has a long 5000-hour estimated service life for months of uninterrupted viewing pleasure. With its time to change or replace the lamp, a professional replacement design makes it easy to replace. The lamp can be replaced even while the projector is projecting from the ceiling or sitting on a shelf—something you could not do with any other projector. The lamp’s service life is estimated to be 5000 hours, and maintenance and replacement is simple and easy.

Anamorphic Lens Compatibility
Anamorphic compatibility widens the projection range of cinema-scope images. Mode 1 provides extended projection, and Mode 2 is for images other than cinema-scope, which mirror the original with the anamorphic lens attached.

Anamorphic Mode 1
Anamorphic Mode 2

HC7000 is equipped with a projector power switch/screen combination, creating a convenient extension/retraction trigger. The HC7000 is equipped with a healthy, serious, and a special electrostatic film [microscopic filtering surface honeycomb structure, a filter that has a three-dimensional three frames], an air baffe from the ceiling or sitting on a shelf—something you could not do with any other projector. The lamp’s service life is estimated to be 5000 hours, and maintenance and replacement is simple and easy.