



Changes for the Better

Mitsubishi DLP™ Projector
Home Theater Projection System



Extraordinary Performance

We re going to change the way you live.



High Contrast *3600:1*

HC2000



Just imagine
Powerful imagery. Intense and beautiful.
So real it engulfs the imagination and soul.
An entirely new dimension of entertainment.
All in the privacy of your home.

It's yours for the asking.
Performance, reliability and Mitsubishi picture quality.
The HC2000 home theater projector.
Indulge yourself, you deserve it.

Mitsubishi-Making Dreams Reality



High Contrast *3600:1*

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Astonishing Color Reproduction-Videophile Paradise

Stunning Picture Quality

Images that are true-to-life

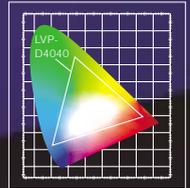
Picture quality equivalent to 3-lens RGB projection systems achieved. Processing technologies have been enhanced, expanding the color spectrum to enable the reproduction of beautiful images in real-life color.



Previous Model



HC2000



Color Matrix

DVE Color Wheel

8-color Architecture

The dark video enhancement (DVE) color wheel reduces noise that causes the visible artifacts in the shadows of images. The 8-section architecture (two each of R, G and B, plus two dark-green) minimizes gray-scale slippage for more precise reproduction of truer blacks. Also, the variable speed Color Wheel provides you the best alternative for further enhanced image performance.



4x speed optimizes the linearity of the color graduation. 5x speed reduces the color breaking noise. The HC2000 is the first to offer this "audience friendly" function.

Industry-leading Shadow Correction & Quiet Operation

23dBA

Ultra-quiet Operation

Fan noise reduced to match the industry-leading standard of 23dBA by utilizing a fully enclosed optics system, low-noise sirocco fan, adjustable exhaust duct and lining the interior with high-performance soundproofing material. (Low-lamp mode)



New Optics System

Built-in Engine

Optimizing the optical incidence design of the DMD chip enables production of a more compact internal reflector layout for the optics system. Careful consideration was given to the lens aperture in order to improve reproduction of dark areas and achieve a darkness equivalent to that of 3-lens systems.



Impressive Shadowing, Vivid Colors, Richer Tones



Color Temperature Adjustment

Five color temperature settings are provided to ensure optimum image reproduction for any use: High Bright, 6500k, Special, User 1 and User 2. The Special setting is truly special, recommended by Mitsubishi engineers for reproducing monochrome images. When using the High Bright, 6500k or Special settings, once the desired picture quality has been adjusted, the setting can be saved to the User 1 or User 2 settings for instantaneous recall at a later time.



Shadow Correction



Movie buffs with an eye for detail have commented that a way to increase the level of blackness reproduced is needed, as conventional brightness adjustment isn't enough. The HC2000 is equipped with this unique function, making it possible for users to adjust only the darkness gray-scale. The 5-step adjustment feature offers plenty of freedom to set darkness gradation to a level that brings out the desired image detail.

Analog Switching & Image Processing

High-performance Conversion

Analog signals are digitalized using a 350MHz wideband A/D converter (Analog Devices, Inc.), and high-performance image conversion enables the reproduction of beautiful images without blurring or picture degradation. Progressive conversion at the time of feeding data from NTSC (2-3 pull-down) or PAL (2-2 pull-down) film sources is also possible.



Long-life Lamp – Up to 3,000 hours

Digital Micromirror Device

At the core of the optics system is a digital micromirror device (DMD) with more than a million microscopic mirrors densely mounted on a single chip. Light from the lamp is reflected off the mirrors and through the lens to project the desired image. This truly digital device controls each mirror individually, switching it either on or off as required, and its non-mechanical architecture eliminates noise and picture degradation. A shorter, wider panel design and innovative optical and electrical systems have been incorporated, enabling more efficient use of light and the reproduction of brilliant XGA (1280 x 720 pixels) high-definition images that virtually come to life.

Cool Operation - No More Overheating

The DLP™ system uses mirrors to reflect light through the lens, thus reducing the heat generated during operation and eliminating projector overheating.

3600:1 - Taking Contrast to the Limit

Utilization of the newly developed HD2+ panel-on which mirror attachment points have been greatly reduced in size, mirror tilt angle increased from ± 10 to $\pm 20^\circ$ and mirror backside coated applying HD2 dark-metal processing-has resulted in a reduction in light diffusion and a tremendous improvement in brightness. Amazingly high contrast of 3600:1 enables the reproduction of images with stunning sharpness and life-like detail.

89% Aperture - Crystal Clear Images

In order to minimize the gap between pixels, an aperture ratio of 89% has been adopted for the DLP™ system, enabling the reproduction of clear, seamless images with dazzling beauty.

Long Service Life - Endless Hours of Entertainment Await

The service life of the DMD is approximately 100,000 hours, meaning even the most hardcore videophiles can savor the ultimate in high-definition images for years without worry of color distortion.



DLP (Digital Light Processing™) and DMD (Digital Micromirror Device™) are registered trademarks of Texas Instruments, Inc., United States of America.

Multi-zoom Feature with Silhouette and Image Positioning Functions

Cinema Scope screen format



ZOOM1-Top & bottom silhouettes



ZOOM2 - Picture positioning and bottom silhouette

The HC2000 offers a wide variety of screening formats, covering the gambit of multi-angle perspectives for viewer enjoyment. Choices include Cinema Scope (Zoom 1), Vista Size (Zoom 2) and European Vista (Zoom 3) among others. In addition to choosing the screening format, frame adjustment and image positioning are possible when using Cinema Scope. Frame adjustment: Insert/Remove silhouettes
Image positioning: Vertically reposition entire image



Electric Zoom & Lens Shift – Fast, Easy Adjustment

The projector is equipped with a lens diaphragm to optimize light incidence to the DMD chip and a motor-driven lens with focus adjustment and zoom-in (1.35x) capabilities. Manual adjustment of the image position in the vertical plane without moving the projector body is also possible.

The HC2000 is equipped with a long-life 250W UHP bulb. This lamp is highly acclaimed for red color development and outstanding service life of approximately 3,000 hours* (Low-lamp mode).

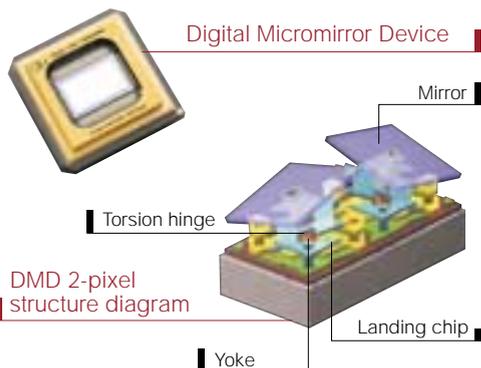
* Service life varies depending on operating environment, usage conditions and maintenance practices, such as cleaning.



Digital Video Interface (DVI)

Full Compatibility

Input terminals are fully compatible with copy protection signals (HDCP) and next-generation standard digital connections (DVI-D HDCP). The all-digital processing capability actualizes high picture quality free of the image degradation common to systems that employ analog signal conversion.



HC2000

Remote Controller

