

HC3000U

HOME THEATER PROJECTOR



Be Entertained with Mitsubishi's Home Theater Projectors.



With Mitsubishi Home Theater projectors, you're not just watching the big game, playing video games or watching movies...

You're living them.

You can transform one of your typical rooms into a complete home entertainment center, where you can call plays like you're at the Super Bowl, race through the streets of Monte Carlo, and experience movies as though your favorite stars are right in your room.

With support for bright, clear and realistic quality images, you can bring all these stunning visual experiences right to the comfort of your own home.

Recognized worldwide for innovation, performance and a leader in technology, Mitsubishi Home Theater projectors are a dependable solution that will change the way you look at entertainment.

So just sit back, relax and enjoy a visual experience like never before.

Screen image is simulated only.

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A STUNNING VISUAL EXPERIENCE

• BrilliantColor™ Technology

With the advanced color processing method of BrilliantColor™, you will see truer images with higher brightness and vibrant color for a stunning and more realistic picture.

• TrueVision™ Image Processing

When it comes to optimal video performance, TrueVision™ Image Processing offers simply the best picture with unbelievable clarity and video fidelity.

- TrueVision™ Image Processing with Film Mode
Optimal image de-interlacing for film-like motion video performance for a truly cinematic experience.
- TrueVision™ Image Processing with Noise Reduction
Built-in filters practically eliminate any image "noise" resulting in crystal-clear video.
- TrueVision™ Image Processing with Edge-Adaptive Interpolation
High performance video enhancement ensures that lines and edges are smooth regardless of their position on the screen.

• Contrast Ratio of 4000:1

The combination of the newly developed DDP3020 panel driver with an all-glass lens, combine to generate a high 4000:1 contrast ratio between dark and light images for an overall striking picture.

• User Gamma Correction

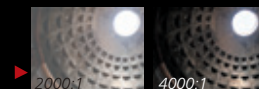
The HC3000U includes support for Sports, Video, Cinema and User Gamma modes. It also supports scalable color temperatures for subtle picture adjustments to satisfy a user specific viewing needs.

• Multi-Level Motorized Lens Iris Control

Supports 2-level remote control lens iris aperture switching for optical contrast adjustments.

• High Definition HDMI support

Includes high definition HDMI signal support with DVD players and other digital equipment for a true high definition viewing experience.



HIGH QUALITY DETAILED REPRODUCTION

• The New DDP3020 Data Processor

The DDP3020 supports integrated 10-bit digital gamma correction and I/P conversions (which is 4x's the gradation of conventional 8-bit modes) producing smoother flesh tones and overall flowing images.

• High-Speed LVDS (low-voltage differential signals)

Equipped with high-speed memory (RLDRAM) increases data transmission efficiency and high-speed LVDS drive to produce a high caliber gradation for a clean and clear image.

• Resolution Support

Includes a new 0.65-type WXGA DLP device compatible with three resolution modes: 1280x720 (HD), Real XGA 1024x768, and WXGA 1280x768 (15:9). Resolution levels may also be changed, depending on the software and hardware.

• 10-bit I/P Conversion

Mounted with a 10-bit processing circuit, annoying screen jaggies are eliminated and overall noise is reduced for a smoother looking picture.

COMFORT AND CONVENIENCE

• Hush 25dBA noise level

With a low 25dBA (low mode) noise level, you will be able to sit back, relax and enjoy your home theater picture, instead of listening to it.

• Automated Screen Trigger support

With Screen Trigger support, you will be able to control your screen with the touch of your finger by linking the HC3000U power source with your motorized screen.

• Center Lens and Ventilation

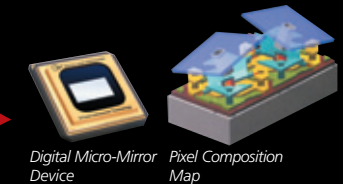
With its centrally located lens and front ventilation design, picture alignment is simple and heat discharge will be pushed away from viewers sitting next to or behind the HC3000U for a pleasurable viewing experience.

• Lamp Life of up to 3000 hours

With its optimal light source design and proprietary light timing technologies, the HC3000U can offer an extended lamp life of up to 3000 hours.



DDP2000 DDP3020



Digital Micro-Mirror Device Pixel Composition Map



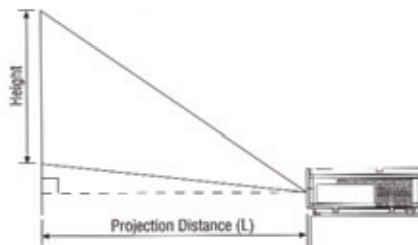
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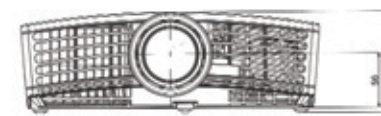
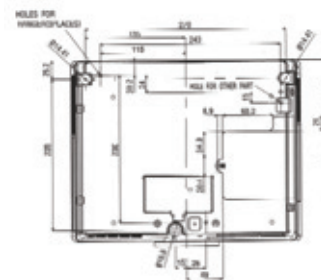


SCREEN			DISTANCE FROM SCREEN (L)		Hd
Diagonal Size	Height	Width	Max Zoom	Min. Zoom	
40	19.6	34.8	68	56	6.6
60	29.4	52.3	103	85	9.9
80	38.2	69.7	139	114	13.8
100	49.0	87.2	174	143	16.9
150	73.5	130.7	262	216	24.7
200	98.1	174.3	349	289	32.9
250	122.8	217.9	-	362	41.2
275	134.8	238.7	-	398	45.3

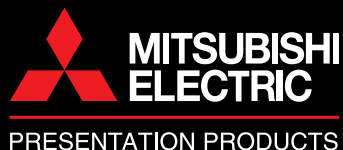
Unit measured in inches



DISPLAY TECHNOLOGY	DDP3020 DLP(R)TrueVision™ Integrated Circuit with Dark Chip 2 featuring BrilliantColor™ Technology
RESOLUTION	1280 x 768 (Total 983,040 pixels), HD720p
BRIGHTNESS	1000 ANSI Lumens
CONTRAST RATIO	4000 : 1
ZOOM/FOCUS	Manual Focus & Zoom Lens
PROJECTION LENS	F= 2.4-2.6 with Optical Iris 100" @ 141.7" (Diagonal)
THROW RATIO	1.59 - 1.97
OFF SET AXIS	3 : -1 up (No variable lens shift) ±38 degrees digital lens shift
PICTURE SIZE	40-275 inch
SOURCE LAMP	200W (Shut Off Time 2000 Hrs) with Low Mode (160W: Shut Off Time 3000 Hrs)
PC COMPATIBILITY	Resolution: 640 x 480 - 1024 x 576 (Compressed 1280 x 1024) (Sync on Green available)
VIDEO COMPATIBILITY	NTSC/NTSC 4.43/PAL (including PAL-M, N /SECAM/PAL-60), Component Video; 480i/p, 576i/p, 720p, 1080i (1125i 60Hz), 1080i (1125i 50Hz)
INPUT TERMINALS	RGB: Mini D-sub 15pin x 1 HDMI x 1 Video: RCA x 1, S-VIDEO x 1, RCA (Y, CB, CR) x 1
OUTPUT TERMINAL	12V Trigger Out; Stereo mini jack (3.5 mm) x 1
COMMUNICATION TERMINAL	RS-232C (8 pin) x 1 (Direct command is available), USB (Service use only)
SCANNING RATE	[H] 15 - 80 kHz, [V] 50 - 85 Hz, [Dot Clock] max 110 MHz
AUDIO SPEAKER	N/A
HEIGHT ADJUSTER	Two Push Rear leg (-1 to 7 degree variable)
HAND REMOTE UNIT	Projector Control, Back light key, Direct functions with AV memory
POWER CONSUMPTION	280 W / 2.9 A
DIMENSION	12.2" x 3.9" x 9.6" inches (L x W x H) (exclude height adjuster)
WEIGHT	6.4 lbs.
POWER REQUIREMENTS	AC 100-240V / ±10%, 50/60 Hz
FAN NOISE	26 dBA (Low mode)
SUPPLIED ACCESSORIES	• AC Power cable • RGB cable • RS-232C cable • Remote Unit (incl. battery) • Light shade cover • Quick Start Card • User Manual • Safety Manual
OPTIONAL ACCESSORIES	Replacement Lamp Bulb (VLT-HC910LP)
WARRANTY	2 Years Parts and Labor



Unit measured in millimeters (mm)



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