

Changes for the Better



**MITSUBISHI
ELECTRIC**
MITSUBISHI HOME THEATRE PROJECTOR

■ Specifications

Projection system		DLP™ system	
Panel specs	Panel size	0.65 DMD, Aspect ratio 16:9	
	Number of pixels	1920x1080	
	Drive system	DMD reflection system	
	Array	Stripe pattern	
Optical specs	Zoom / focus operation	1.5-power zoom / manual operation	
	f (mm)	20.6-30.1	
	Light source lamp	230W (at standard mode), 190W (at low mode)	
	Optical system	Time-division colour separation / composition system	
Color wheel		6 segment (RGB RGB); 4x speed	
Projection screen size (inches)		50-300	
Images	Brightness (maximum)		1300 ANSI Lumens
	Contrast ratio		3300:1
	Resolution	PC input	VGA 640x480 - 1920x1080
	Scan frequency	Horizontal (kHz)	15-80
Vertical (Hz)		50-85	
Input signal system	Video NTSC, NTSC4.43, PAL (including PAL-M and N), SECAM, PAL-60 Video input: 480i/p, 576i/p, 1080i 60/50, 1080p 60/50/24, 720p 60/50		
	PC PC/AT compatibles, Mac, PC98		
Input	Video	PC input	Mini D-Sub 15 pin 1 terminal
		HDMI input	HDMI terminal 1 terminal (Ver.1.3)
		Composites	RCA terminal 1 terminal
		S	S-Video terminal 1 terminal
		Components	RCA terminal 1 terminal (component can be also input to Mini D-Sub 15 pin)
		Serial / RS-232C standard	1 terminal (Mini DIN 8 pin)
Functions	Gamma mode		3 patterns + 2 users
	Digital keystone (Vertical)		±15 steps
	Power source voltage		AC100V 50/60Hz
	Power consumption (Watts)		340W (0.4W in Standby mode)
	Weight		3.6kg
Other	Main unit dimensions (WxHxD)		345x129x270mm (excluding height adjustment)
	Supplied accessories		Power source cord (1.8m), Remote control, AA batteries (x2), RGB signal cable, Lens cap, Lamp replacement attachment

*All brand and product names are trademarks or registered trademarks of their respective companies.

■ Terminals



■ Option



Easy Access to Amazing Beauty

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To find out more about HC3800 and our projectors, visit us at
www.MitsubishiElectric.com.au



Introducing the affordable Full High-definition

HC3800



Movies, TV programs, games and more Enjoy it all in high-definition on a 100"+ screen

Imagine it... the latest home theatre technology bringing you hours of viewing pleasure in the comfort of your own home. Easy to set-up and operate – the HC3800 reproduces beautiful, high-definition (HD) imagery, bringing movies and TV programs to life with vivid, sharp colours and adding new meaning to the word "excitement" when playing games. Enjoy it all on a large 100"+ screen while relaxing on your living room sofa.

Finally, an affordable full-HD projector that spares nothing to ensure a new dimension in viewing pleasure. An amazing level of beauty and excitement you need to experience with your own eyes.



The latest 0.65 DLP™ chip

A key feature of the HC3800 is the latest Digital Light Processing (DLP™) chip incorporating a new digital micromirror device (DMD) comprised of densely embedded micromirrors. A smaller mirror cavity diameter and narrower gaps between the mirrors improve the aperture ratio of the innovative chip, and reflective light diffusion has been greatly reduced by improving the wiring below the mirror section. The mirrors are controlled to tilt repeatedly several thousand times per second, enabling smooth, true reproduction of the digital source into finely detailed images with no noise or deterioration.



1300lm brightness, 3300:1 native contrast

A fixed iris has been adopted, providing both enhanced brightness and contrast for images. Even in a relatively bright living room with the curtains closed, movies, sports and other programs from high-definition broadcasting and Blu-ray sources can be fully enjoyed.

1.5x Short-throw HD Zoom Lens

The HC3800 includes a newly developed short-throw zoom lens. This 4-cluster, 13-piece all-glass lens provides excellent focusing performance with 1.5x magnification of high-definition images. Improvements in image depth and the lens aperture make it possible for deep blacks to be expressed.



High-output, Long-life Lamp & Quiet performance

The light source is a 230W high-output lamp capable of an estimated life of up to 5000 hours when operating in low mode. A low-noise fan has been specially designed for cooling efficiency, taking factors such as fan and colour wheel shape into consideration yet ensuring impressively low 25dBA quietness when operating in low mode.



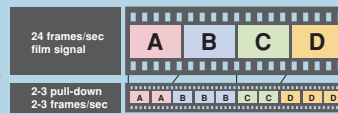
DDP3021 Full 10-bit Panel Driver

The built-in DDP3021 full 10-bit panel driver delivers approximately four times the gradation of 8-bit models, providing smooth expression of dark gradation subtleties.

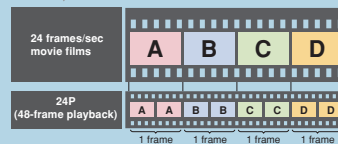
Blu-ray 24P direct output compatible

Capable of handling an output of 48P - twice the speed of cinema film (24 frames per second). This precise timing ensures true-to-life reproduction with original, smooth movement.

2-3 Pull-down
At the time of converting 24 frames per second into 60 frames per second, when lining up the second and third frames in sequence, there is a surplus third B frame, which affects movement smoothness.



24P direct output
With 24P direct output, the 24 frames per second is converted a full order to 48 frames per second. This allows sequential matching of two frames at a time, thereby enabling image reproduction with the original smoothness.



Richer, More True-to-life Colours

The HC3800 is equipped with a six-segment colour wheel capable of reproducing a standard illumination at the colour temperature D65 (6.5 million). Signals from video sources are reproduced with more true-to-life colours and richer gradation.

Colour Management for Preferred Colour Adjustment

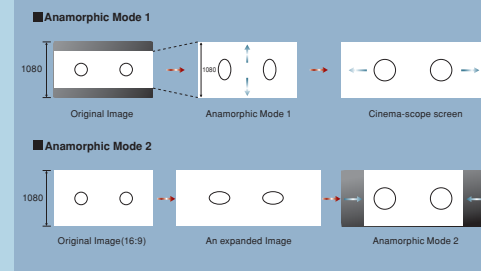
Adjust images colours to your preferred levels. R (red), G (green), B (blue), C (cyan), M (magenta), and Y (yellow) can each be adjusted individually with the built-in colour management function.



Anamorphic Lens Compatibility - Choose a Setting Based on the Media Being Played

The anamorphic lens compatibility of the HC3800 widens the projection range of cinema-scope images. Mode 1 proves extended projection, and Mode 2 is for images other than cinema-scope, which mirror the original with the anamorphic lens* attached.

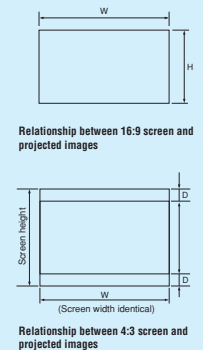
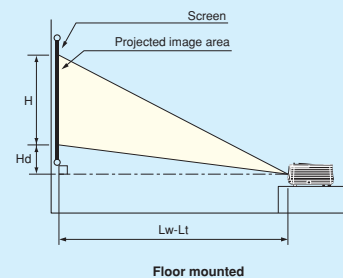
*Anamorphic lens sold separately



Projection Distance

Screen size (16:9)	Screen size (16:9)			Projection distance	
	Diagonal	W (width)	H (height)	Hd(cm)	
50	111	62	21	1.5	2.3
60	133	75	25	1.8	2.7
70	155	87	29	2.1	3.2
80	177	100	34	2.4	3.6
90	199	112	38	2.7	4.1
100	221	125	42	3.1	4.6
110	244	137	46	3.4	5.0
120	266	149	50	3.7	5.5
150	332	187	63	4.6	6.9
200	443	249	84	6.2	9.2
250	553	311	105	7.7	11.5
300	644	374	126	9.3	-

Projection Installation



BrilliantColor™

A new colour processing algorithm and improvements in system-level colour signal picture quality enable the reproduction of the many mid-range colours in video and natural scenery.

Adjustable Overscan

For images such as those from DVD sources, the overscan ratio can be varied between 90 and 100% in 1% intervals when the HDMI or Component connections are used.

Projector Screen Trigger

The projector power switch and electric screen (roll down/retract) control are linked, providing convenient one-touch operation.

Screen Distortion Correction

Correct screen distortion using the keystone adjustment function for digital models. Vertical distortion correction of ± 15 steps (1 step approximately 1°) is possible.