

**MITSUBISHI HOME THEATRE PROJECTOR**


**Finally... Vivid big-screen impact in well-lit venues**



**FULL HD 1080**

**HDMI™**  
HIGH DEFINITION MULTIMEDIA INTERFACE



HOME THEATRE PROJECTOR

**HC3900**

### 3000lm brightness, 2000:1 native contrast

A fixed iris has been utilised for both enhanced brightness and contrast with images. Even in a relatively bright living room with the curtains closed, movies, sports and other programs from high-definition broadcasts and Blu-ray players can be enjoyed to the fullest.



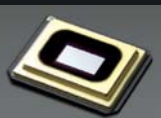
1000lm

3000lm

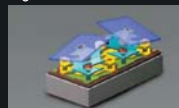
Note:  
Photos are  
brightness  
impressions

### The latest 0.65 DLP™ chip

A key feature of the HC3900 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 this 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 for finely detailed images with no noise or deterioration.



Digital Micro-Mirror Device



DMD Pixel Composition Map

### 1.5x Short-throw HD Zoom Lens

A newly developed short-throw zoom lens has been adopted. 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.



### Colour Management for Preferred Colour Adjustment

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 to best suit your personal tastes.



Before adjustment



After adjustment

Note:  
Photos are  
colour adjustment  
impressions



# HC3900

## HOME THEATRE PROJECTOR

### Other Features

- Long-life Lamp of 5,000hours\*<sup>1</sup>
- Low noise operation at 25dBA (in low mode)
- DDP3021 Full 10-bit Panel Driver
- Blu-ray 24P direct output compatible
- Richer, More True-to-life Colours (at the colour temperature of D65)
- Anamorphic Lens Compatibility – choose setting based on media
- BrilliantColor™<sup>2</sup>(5-segment colour wheel) Adopted
- Adjustable Overscan
- One-touch projection – Trigger terminal
- Vertical Distortion Correction

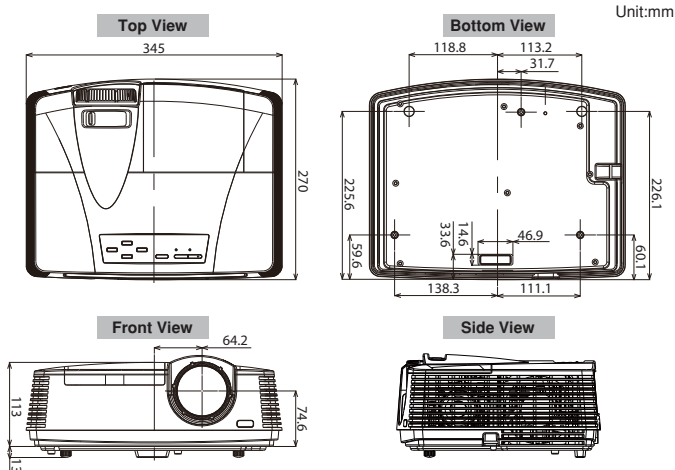
\*1: When used in low lamp mode. Maximum lamp life in standard mode use is 3,000 hours. Lamp life refers to the average time required for brightness to be reduced by half, and not the time specified in the warranty. Lamp service life may vary widely depending on the environment and conditions, and whether or not cleaning and other maintenance procedures are followed.

\*2: BrilliantColor is a trademark of Texas Instruments.

### Input and Output Terminals



### Dimensions

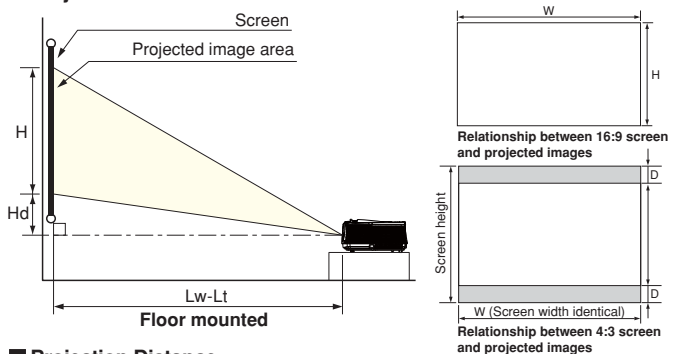


### Specifications

<b>Model</b>		HC3900		
<b>Projection system</b>		DLP™ system		
<b>Panel specs</b>	Panel size	0.65 DMD, Aspect ratio 16:9		
	Number of pixels	1920x1080		
	Drive system	DMD reflection system		
	Array	Stripe pattern		
<b>Optical specs</b>	Lens	Zoom / focus operation	1.5 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		
<b>Colour wheel</b>		5 segment (RGBWY) x2		
<b>Projection screen size (inches)</b>		50-300		
<b>Images</b>	<b>Brightness (Maximum)</b>		3000 lumens	
	<b>Contrast ratio</b>		2000:1	
	<b>Resolution</b>	PC input	VGA 640x480 - 1600x1200	
	<b>Scan frequency</b>	Horizontal (kHz)	15-80	
Vertical (Hz)		50-85		
<b>Input signal system</b>	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		
	PC	PC/AT compatibles, Mac		
<b>Input</b>	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)
<b>Functions</b>	<b>Gamma mode</b>		AUTO/SPORTS/VIDEO/CINEMA/USER1/USER2	
	<b>Digital keystone (Vertical)</b>		±15 steps	
	<b>Power source voltage</b>		AC100-240V 50/60Hz	
	<b>Power consumption (W)</b>		330 (0.5W in standby)	
	<b>Weight</b>		3.6kg	
	<b>Main unit dimensions (WxHxD)</b>		345 x 129 x 270mm (excluding height adjustment)	
<b>Other</b>	<b>Supplied accessories</b>		Power source cord (1.8m), Remote control, AA batteries (x2), RGB signal cable, Lens cap, Lamp replacement attachment	
<b>Option lens</b>	VLT-XD600LP			

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

### Projection Installation



### Projection Distance

Screen size (16:9)			Hd	Projection distance	
Diagonal	W (width)	H (height)		Shortest (Wide)	Longest (Tele)
inch	cm	cm	cm	m	m
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	664	374	126	9.3	-

**MITSUBISHI ELECTRIC AUSTRALIA**

348 Victoria Rd Rydalmere, NSW 2116 Phone: (02) 9684 7777 Fax: (02) 9684 7208

To find out more about HC3900 and our projectors, visit us at

[www.MitsubishiElectric.com.au](http://www.MitsubishiElectric.com.au)