



# The Adventure of Full high-definition Cinema.

## Specifications

Model	HC1100	HC3100	HC4900	HC5000	HC6000
Display Technology	0.62" 1-Chip DMD, 12deg.LVDS, DarkChip2™ with DDP3020	0.65" 1-Chip DMD, 12deg.LVDS, DarkChip3™ with DDP3020	0.74" 3-LCD (with Micro Lens), Epson Inorganic D6/C2Fine panel	0.74" 3-LCD (with Micro Lens), Epson Inorganic D6/C2Fine panel	0.74" 3-LCD (with Micro Lens), Epson Inorganic D6/C2Fine panel
Resolution	1280 x 720 (Total 921,600 pixels)	1280 x 768 WXGA (Total 983,040 pixels)	1920 x 1080 (Total 2,073,600 pixels)	1920 x 1080 (total 2,073,600 pixels)	1920 x 1080 (total 2,073,600 pixels)
Brightness	1000 lumens (750 ANSI lumens in Low Mode)	1000 ANSI Lumens in Low Mode)	1000 ANSI Lumens (750 ANSI Lumens in Low Mode)	1000 lumens (750 ANSI lumens in Low Mode)	1000 lumens (750 ANSI lumens in Low Mode)
Color	6seg. Color Wheel (R/G/B/R/G/B), 4x speed	6seg. Color Wheel (R/G/B/R/G/B), 4x and 5x switchable speed	1,073,000,000 colors	1,073,000,000 colors	1,073,000,000 colors
Contrast Ratio	3000:1 (on/off)	4500:1 (on/off with IRIS Closed, 3000:1 with IRIS open)	7500:1 (on/off) with IRIS Operation	10000:1 with IRIS Operation	13000:1 with NEW IRIS Operation (faster/smooth operation)
Zoom/Focus	Manual Focus & Zoom Lens	Powered Focus & Zoom Lens	Powered Focus & Zoom (Zoom Ratio 1.6:1)	Powered Focus & Zoom (Zoom Ratio 1.6:1)	Powered Focus & Zoom (Zoom Ratio 1.6:1)
Projection Lens	f=23-27.6mm, F=2.4-2.6 3.6m@100"(Wide)	f=23-27.6mm, F=2.4-2.6 3.6m@100"(Wide)	f=23.5-37.6mm, F1.8-2.3 (3.1-5.0m@100")	f=23.5-37.6mm, F1.8-2.3 (3.1-5.0m@100")	f=23.5-37.6mm, F1.8-2.3 (3.1-5.0m@100")
Off set axis	4 : -1 up	4 : -1 up	(V) 4 : -1 - 4 : 1 (+/-75%), (H) Screen Width +/-5%	(V) 4 : -1 - 4 : 1 (+/-75%), (H) Screen Width +/-5%	(V) 4 : -1 - 4 : 1 (+/-75%), (H) Screen Width +/-5%
Lens Shift	no	no	Variable H+V Powered Lens Shift	Variable H+V Powered Lens Shift	Variable H+V Powered Lens Shift
Picture Size	40"-275"	40"-275"	50"-300"	50"-300"	50"-300"
Source Lamp	Normal Mode: 200W, Shut Off Time: 2000Hrs Low Mode: 160W: Shut Off Time: 3000Hrs	Normal Mode: 200W, Shut Off Time: 2000Hrs Low Mode: 160W: Shut Off Time: 3000Hrs	Normal Mode: 160W, Shut Off Time: 2000Hrs Low Mode: 130W: Shut Off Time: 5000Hrs	Normal Mode: 160W, Shut Off Time: 2000Hrs Low Mode: 130W: Shut Off Time: 5000Hrs	Normal Mode: 160W, Shut Off Time: 2000Hrs Low Mode: 130W: Shut Off Time: 5000Hrs
PC Comp. Resolution	640 x480 (Expand) - 1280 x 720 (Real) + Compressed 1280 x 1024	640 x480 (Expand) - 1280 x 768 + Comp.1280 x 1024 WXGA (1280x768,1280x800,1360x768,1366x768)	640 x 480 (Expand) - 1920 x 1080 (Real)	640 x 480 (Expand) - 1920 x 1080 (Real)	640 x 480 (Expand) - 1920 x 1080 (Real)
Sync	Sync on Green available	Sync on Green available	Sync on Green available	Sync on Green available	Sync on Green available
Video Compatibility	NTSC/NTSC 4.43/PAL(including PAL-M,N)/SECAM/PAL-60 480i/p(525i/p), 576i/p(625i/p), 720p(750p 50/60Hz)	NTSC/NTSC 4.43/PAL(including PAL-M,N)/SECAM/PAL-60 480i/p(525i/p), 576i/p(625i/p), 720p(750p 50/60Hz)	NTSC/NTSC 4.43/PAL(including PAL-M,N)/SECAM/PAL-60 480i/p(525i/p), 576i/p(625i/p), 720p(750p 50/60Hz)	NTSC/NTSC 4.43/PAL(including PAL-M,N)/SECAM/PAL-60 480i/p(525i/p), 576i/p(625i/p), 720p(750p 50/60Hz)	NTSC/NTSC 4.43/PAL(including PAL-M,N)/SECAM/PAL-60 480i/p(525i/p), 576i/p(625i/p), 720p(750p 50/60Hz)
Component Video	1080i(1125i 60Hz),1080i(1125i 50Hz) SCART (RGB + 1V sync)	1080i(1125i 60Hz),1080i(1125i 50Hz) SCART (RGB + 1V sync)	1080i(1125i 50/60Hz), 1080p(1125p 24/50/60Hz) SCART (RGB + 1V sync)	1080i(1125i 50/60Hz), 1080p(1125p 24/50/60Hz) SCART (RGB + 1V sync)	1080i(1125i 50/60Hz), 1080p(1125p 24/50/60Hz), 1080i/24p SCART (RGB + 1V sync)
Input Terminals	RGB ; mini D-sub 15pin x 1 HDMI™ x1 Audio ; N/A Video ; RCA x 1 + S-VIDEO x 1 RCA (Y,CB,CR) x 1 Audio ; N/A	RGB ; mini D-sub 15pin x 1 HDMI™ x1 Audio ; N/A Video ; RCA x 1 + S-VIDEO x 1 RCA (Y,CB,CR) x 1 Audio ; N/A	RGB ; mini D-sub 15pin x 1 DVI-D (with HDCP) x 1 PC Audio ; N/A Video ; HDMI™ x 1 (1.2 vers.) RCA x 1, S-VIDEO x 1 RCA (Y,PB,PR) x 1 Video Audio ; N/A	RGB ; mini D-sub 15pin x 1 DVI-D (with HDCP) x 1 PC Audio ; N/A Video ; HDMI™ x 1 (1.2 vers.) RCA x 1, S-VIDEO x 1 RCA (Y,PB,PR) x 1 Video Audio ; N/A	RGB ; mini D-sub 15pin x 1 DVI-D (with HDCP) x 1 PC Audio ; N/A Video ; HDMI™ x2 (1.3 version) RCA x 1, S-VIDEO x 1 RCA (Y,PB,PR) x 1 Video Audio ; N/A
12V Trigger Out	12V Trigger Out ; Stereo mini jack (3.5mm) x 1	12V Trigger Out ; Stereo mini jack (3.5mm) x 1	no	12V Trigger Out ; Stereo mini jack (3.5mm) x 1	12V Trigger Out ; Stereo mini jack (3.5mm) x 1
Communication Terminal	USB (only for service)	USB (only for service)	RS-232C; D-Sub 9pin x 1 (direct command is available.)	RS-232C ; D-Sub 9pin x 1 (direct command is available.)	RS-232C ; D-Sub 9pin x 1 (direct command is available.)
Scanning Rate	[H] 15 - 80 kHz, [V] 50 - 85 Hz, [Dot clock] max.110 MHz	[H] 15 - 80 kHz, [V] 50 - 85 Hz, [Dot clock] max.110 MHz	[H] 15 - 100 kHz, [V] 50 - 120 Hz, [Dot clock] max.150 MHz	[H] 15 - 100 kHz, [V] 50 - 120 Hz, [Dot clock] max.170 MHz	[H] 15 - 100 kHz, [V] 50 - 120 Hz, [Dot clock] max.170 MHz
Audio Speaker	no	no	no	No	No
Height Adjuster	One Push Rear leg (-1 to 7 degree variable)	One Push Rear leg (-1 to 7 degree variable)	One Push Front leg (-1 to 7 degree variable)	One Push Front leg (-1 to 7 degree variable)	One Push Front leg (-1 to 7 degree variable)
Outstanding Feature	<ul style="list-style-type: none"> <li>Quiet operation (only 25dBA in "LAMP LOW" mode)</li> <li>10bit signal processing ADC and Video decoder</li> <li>BrilliantColor™ Technology</li> <li>Video Line Doubler (DDP3020: Edge Adaptive Interpolation); 2:3 / 2:2 pull-down</li> <li>3D-Y/C</li> <li>AV Memory function</li> <li>User adjustable gamma function</li> <li>SCREEN SIZE select: 720P, Cinema Scope (1280x544)</li> <li>Vertical Location (like electrical lens shift)</li> <li>Digital keystone-correction for Vertical and Horizontal (Keystone: H: +/-25°, +/-25 steps, V: +/-40°, +/-40 steps)</li> <li>Password Lock (Key &amp; MENU access only)</li> </ul>	<ul style="list-style-type: none"> <li>Quiet operation (only 25dBA in "LAMP LOW" mode)</li> <li>10-bit signal processing ADC and Video decoder</li> <li>Brilliant Color™ Technology</li> <li>Video Line Doubler (DDP3020: Edge Adaptive Interpolation); 2:3 / 2:2 pull-down</li> <li>3D-Y/C</li> <li>AV Memory function</li> <li>User adjustable gamma function</li> <li>SCREEN SIZE select: WXGA (1280x768)</li> <li>720P (1280x720), XGA, Cinema Scope (1280x544)</li> <li>Vertical Location (like electrical lens shift)</li> <li>Digital keystone-correction for Vertical and Horizontal (Keystone: H: +/-25°, +/-25 steps, V: +/-40°, +/-40 steps)</li> <li>Password Lock (Key &amp; MENU access only)</li> </ul>	<ul style="list-style-type: none"> <li>Auto IRIS function</li> <li>Full 10bit signal processing</li> <li>2 Digital Inputs (HDMI / DVI-D with HDCP)</li> <li>3D Color Uniformity correction</li> <li>3D Y/C digital comb filter and 3D noise reduction</li> <li>3D-Y/C</li> <li>AV Memory function</li> <li>User adjustable gamma function</li> <li>Password Lock (Key &amp; MENU access only)</li> <li>Side-access Lamp</li> </ul>	<ul style="list-style-type: none"> <li>Auto IRIS function</li> <li>Full 10bit signal processing (4:4:4 scaling)</li> <li>HQV Image Processing (Silicon Optix, Reon-VX200)</li> <li>2 Digital Inputs (HDMI / DVI-D with HDCP)</li> <li>3D Color Uniformity correction</li> <li>3D Y/C digital comb filter and 3D noise reduction</li> <li>AV Memory function</li> <li>User adjustable gamma function</li> <li>SCREEN SIZE select</li> <li>Password Lock (Key &amp; MENU access only)</li> <li>Side-access Lamp</li> </ul>	<ul style="list-style-type: none"> <li>NEW Auto IRIS function and FIXED LENS APERTURE</li> <li>Full 10bit signal processing (4:4:4 scaling)</li> <li>HQV Image Processing (Silicon Optix, Reon-VX200)</li> <li>2 Digital Inputs (HDMI / DVI-D with HDCP)</li> <li>3D Color Uniformity correction</li> <li>3D Y/C digital comb filter and 3D noise reduction</li> <li>AV Memory function</li> <li>User adjustable gamma function</li> <li>SCREEN SIZE select</li> <li>Password Lock (Key &amp; MENU access only)</li> <li>Side-access Lamp</li> <li>New Optical Engine (newly devel. Full-HD compatible lens)</li> <li>Digital Vertical (15°) Keystone Correction</li> </ul>
Hand Remote unit	(1) Projector Fully Control (2) Back light key (3) Direct functions with AV memory	(1) Projector Fully Control (2) Back light key (3) Direct functions with AV memory	(1) Projector Fully Control (2) Back light key (3) Direct functions with AV memory	(1) Projector Fully Control (2) Back light key (3) Direct functions with AV memory	(1) Projector Fully Control (2) Back light key (3) Direct functions with AV memory
Power Consumption	280 W / 2.9 A	280 W / 2.9 A	250W / 2.5 A	250W / 2.5 A (7W in standby)	250W / 2.5 A (7W in standby)
Dimension (W*H*D)	310(W)*100(H)*245(D) mm (excluding height adjuster)	310(W)*100(H)*245(D) mm (excluding height adjuster)	334(W)*125(H)*352(D) mm (exclude height adjuster)	334(W)*125(H)*352(D) mm (exclude height adjuster)	334(W)*125(H)*352(D) mm (exclude height adjuster)
Weight	2.9 kg (6.5 lbs)	2.9 kg (6.5 lbs)	5.6kg (12.3lbs)	5.6kg (12.3lbs)	5.6kg (12.3lbs)
Power Requirements	AC 100 - 240 V, 50 / 60 Hz	AC 100 - 240 V, 50 / 60 Hz	AC 100 - 240 V, 50/60Hz	AC 100 - 240 V, 50/60Hz	AC 100 - 240 V, 50/60Hz
Fan Noise	25 dBA in Low Mode, 31dBA in Normal Mode at sea-level	25 dBA in Low Mode, 31dBA in Normal Mode at sea-level	19dBA in Low Mode, 24dBA in Normal Mode at sea-level	19 dBA in Low Mode, 24dBA in Normal Mode at sea-level	19 dBA in Low Mode, 24dBA in Normal Mode at sea-level
Supplied Accessories	AC Power Cable: 2.9m (EUR continental type x1) RGB cable: 1.8m RS-232C cable: 1.8m Remote Unit (incl. battery) Quick Start Card (Eng) User Manual CD: (Eng/Fre/Spa/Ger/Rus/Ita/Port/Swe/NU/Chi/Kor) Safety Manual (incl. explanation for Quick Start)	AC Power Cable: 2.9m (EUR continental type x1) RGB cable: 1.8m RS-232C cable: 1.8m Remote Unit (incl. battery) Quick Start Card (Eng) User Manual CD: (Eng/Fre/Spa/Ger/Rus/Ita/Port/Swe/NU/Chi/Kor) Safety Manual (incl. explanation for Quick Start) Air Filter (incl. Kensington Cap)	AC Power Cable: 2.9m (USA type x1/EUR continental type x1) RGB cable: 1.8m RS-232C cable 1.8m Remote Unit (incl. battery) Quick Start Card (Eng) User Manual CD: (Eng/Fre/Spa/Ger/Rus/Ita/Port/Swe/NU/Chi/Kor) Safety Manual (incl. explanation for Quick Start)	AC Power Cable: 2.9m (USA type x1/EUR continental type x1) RGB cable: 1.8m RS-232C cable 1.8m Remote Unit (incl. battery) Quick Start Card (Eng) User Manual CD: (Eng/Fre/Spa/Ger/Rus/Ita/Port/Swe/NU/Chi/Kor) Safety Manual (incl. explanation for Quick Start)	AC Power Cable: 2.9m (USA type x1/EUR continental type x1) RGB cable: 1.8m RS-232C cable 1.8m Remote Unit (incl. battery) Quick Start Card (Eng) User Manual CD: (Eng/Fre/Spa/Ger/Rus/Ita/Port/Swe/NU/Chi/Kor) Safety Manual (incl. explanation for Quick Start)
Optional Accessories	Spare Lamp Bulb (VLT-HC910LP) Ceiling Mount Bracket	Spare Lamp Bulb (VLT-HC910LP) Ceiling Mount Bracket	Spare Lamp Bulb (VLT-HC5000LP) Ceiling Mount Bracket	Spare Lamp Bulb (VLT-HC5000LP) Ceiling Mount Bracket	Spare Lamp Bulb (VLT-HC5000LP) Ceiling Mount Bracket Optional Lens Filter CF6000 (for widercolor space) (screw on type, not possible on HC5000)

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\*The projector lamp contains mercury. Please dispose of properly.





## The Finest in Black Levels Inspired by Mitsubishi Innovation



### Highlights

- Full-HD resolution (1920 x 1080 pixels)
- 24p reproduction
- 1000 ANSI lumens
- Contrast ratio: 13,000:1
- 2 HDMI interfaces (vers. 1.3)
- Nearly soundless 19 dB
- Lamp life up to 5000 hours
- Lens Shift (horizontal & vertical)
- HQV technology from Silicon Optix

## Home theater reaches a new level.

The full-HD HC6000 projector from Mitsubishi Electric sets an entirely new standard in home theater enjoyment: HC6000 quality! The HC6000 creates images of such extraordinary high definition that your movies will have more intense colors, sharper details and deeper contrasts than ever before.

The combination of HQV technology, a next-generation automatic iris and an optimized aperture, help produce an outstanding contrast ratio of 13,000:1 and even richer black tones. Thanks to the motorized focus and zoom as well as the gradually adjustable Lens Shift, the HC6000 can adapt its picture projection to perfectly match any home-viewing space. And because first-rate visuals should go hand-in-hand with first-rate sound the HC6000 is barely audible, making it one of the quietest projectors in its class.

## HC5000

### Experience the thrill of home cinema in full HD resolution.

Transform your home into a cinema! The HC5000 by Mitsubishi Electric is not only one of the world's first LCD projectors with full HD resolution, it's also one of the quietest projectors on the market. Its ultra-low 19 dB operating noise means you can now enjoy the ultimate home cinema experience. The HC5000's picture quality will amaze you, too: a full HD resolution of 1080p and a contrast ratio of 10,000:1 guarantee realistic and vivid images.

Using innovative high-definition LCD technology Mitsubishi Electric has developed a projector showing native colors that will really bring your pictures to life. High-performance HQV technology from Silicon Optix optimizes the video processing, while horizontal and vertical lens shift makes this projector an uncomplicated and flexible center point for your home cinema.



### Highlights

- Full HD resolution (1920 x 1080 pixels)
- 1000 ANSI lumens
- Contrast ratio: 10,000:1
- Nearly soundless 19 dB
- Lamp life up to 5000 hours
- Lens Shift (horizontal & vertical)
- HQV technology from Silicon Optix

## HC3100

### Experience the perfection of second-generation home cinema.

The legend has a successor: The HDready DLP® projector HC3100 picks up where the legendary HC3000 left off and impresses by improved and highly innovative new features.

The new DMD DarkChip3™ provides an amazing contrast ratio of 4500:1 and the 720p resolution delivers pictures that are incredibly clear and vivid, so lifelike as if they were real. The motorized IRIS function rounds off your home cinema experience with a black level that is exceedingly intense. The low operating noise of 25 dB, an adjustable 6-segment color wheel and a lamp life of up to 3000 hours make this projector exceptionally reliable and easy to use.

Believe your eyes! Experience the enjoyment of home cinema made perfect..



### Highlights

- DLP® technology
- Resolution: 1280 x 768 pixels
- 1000 ANSI lumens
- Contrast ratio: 4500:1
- BrilliantColor™
- Digital Keystone Correction (horizontal & vertical)
- Low fan noise of 25 dB
- 6-segment color wheel (4/5-speed)
- Lamp life up to 3000 hours

## HC4900

### Outstanding image sharpness - outstanding value.

Only a full-HD home theater projector can deliver such razorsharp and crisp images in 16:9 movie format that even the tiniest detail becomes crystal-clear. The HC4900 by Mitsubishi Electric is surprisingly affordable for a projector in its class – the price is just as remarkable as the visual quality it brings to your screen.

The HC4900 features an automatic iris and Lens Shift function which provide optimum viewing flexibility in any room.

And its contrast ratio of 7500:1 guarantees excellent picture quality. So that nothing will distract from the viewing experience, the projector operates at an ultra-quiet 19 dB noise level. Its lamp life of up to 5000 hours means that you can enjoy your home theater for a very long time without having to change the lamp. And when it finally needs replacing, it's as simple as child's play thanks to the side-access lamp design.



### Highlights

- Full-HD resolution (1920 x 1080 pixels)
- 1000 ANSI lumens
- Contrast ratio: 7,500:1
- Nearly soundless 19 dB
- Lamp life up to 5000 hours
- Lens Shift (horizontal & vertical)

## HC1100

### The perfect introduction to HD home cinema.

The HC1100 compromises in only one thing – the price, but not in picture quality. You'll enjoy the real home cinema experience with innovative DLP® technology, DarkChip2™ and HDready resolution for crystal clear and detailed images. The 6-segment color wheel and BrilliantColor™ technology deliver unbelievably bright, true-to-life colors. With selectable picture formats, extremely low 25 dB fan noise and a lamp life of up to 3000 hours, the HC1100 is the embodiment of convenience, comfort and reliability.

The HC1100 gives you all the advantages of a big projector at a small price. It's the perfect introduction to HD viewing.



### Highlights

- DLP® technology
- Resolution: 1280 x 720 pixels
- 1000 ANSI lumens
- Contrast ratio: 3000:1
- BrilliantColor™
- Digital Keystone Correction (horizontal & vertical)
- Low fan noise of 25 dB
- Lamp life up to 3000 hours

Put Movies and Sports on the Big Screen, by Mitsubishi Projectors.