

**All the Power of Big-Screen Viewing!**

*New*  
**HC1600**

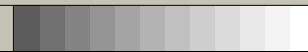


**HDMI™**  
HIGH DEFINITION MULTIMEDIA INTERFACE



- DarkChip2™ realizing high resolution of 1280x720 dots  
\*DarkChip2 is a trademark of Texas Instruments.
- High contrast of 2500:1
- Quiet Fan noise 25dBA (at low mode)
- The brightness of 1700lm lets you enjoy easy-to-view clear images of a movie or TV program without turning off the lights in the room
- Fine-detail gradation reproduction, approaching the high-end realm
  - Equipped with full 10-bit panel driver (DDP3020)

8bit (256steps)



10-bit (1024 steps)  
for quadruple gradation

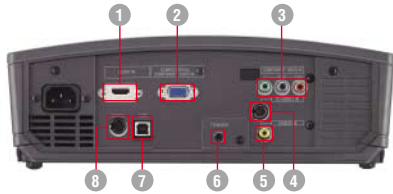


- Selective use of high brightness and high definition modes, tailored to the images being screened
- User gamma correction
- HDMI terminal
- BrilliantColor™ technology



# HC1600

## Input and Output terminals



- ① HDMI x 1
- ② RGB/Component In x 1
- ③ Component (Y, Pb/Cb, Pr/Cr)
- ④ S-Video
- ⑤ Video In
- ⑥ Trigger Out
- ⑦ USB (for service)
- ⑧ RS-232C (for service)

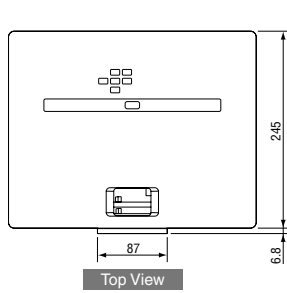
## Specifications

Model		HC1600
Projection system		DLP™ system
Panel specs	Panel size	0.62 DMD, aspect ratio 16:9
	Number of pixels	1280 X 720 (DarkChip2™)
	Drive system	DMD reflection system
Optical specs	Array	Stripe pattern
	Lens	Zoom/focus (Lens shift)
	f (mm)	Manual operation
	Light source lamp	23 - 27.6
Optical system		200W
Iris / Color wheel spec		Time-division color separation / composition system
Picture size (inches)		WRGBY, 2x speed
Brightness (lm)		40 - 275
Contrast ratio		1700
Images	Resolution	2500:1 (full on/full off)
	PC input	VGA (640 X 480) - SXGA (1280 X 1024) (compressed)
	Scanning frequency	Horizontal (kHz) Vertical (Hz)
Input signal system		15 - 80 50 - 85
Input	Video	NTSC, NTSC4.43, PAL (including PAL-M,N), SECAM, PAL-60 HDTV (480i/p, 576i/p, 1080i, 720p)
	PC	PC/AT compatible machines, MAC, PC98
Input	Analog RGB	Mini D-sub 15 pin
	Digital RGB	HDMI
	Composite	RCA terminal
	S	S-Video terminal
	Component	RCA terminal
Functions		1 terminal (Component can be also input to D-sub)
Function/other		Gamma mode
Trapezoidal distortion correction		Vertical keystone
Power supply voltage		Horizontal keystone
Power consumption		3 patterns + 2 users
Weight		± 40 steps (1 step = approx. 1 time)
Main unit dimensions		± 25 steps (1 step = approx. 1 time)
Fan noise		AC100-240V 50/60Hz
Other		280W
Supplied accessories		2.9kg / 6.5lbs
		25dB(A) (Lamp Low Mode)
		310 x 100 x 245 mm / 12.2 x 3.9 x 9.6 inch (excluding height adjustment)
		AC power cable, remote control unit, AA-size batteries, RGB signal cable, User's manual

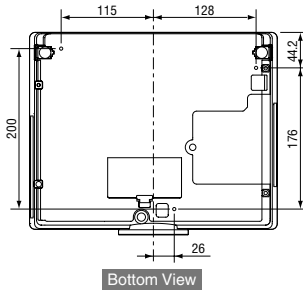
\*VGA, SXGA is a registered trademark of IBM Corporation of the United States. \*DarkChip2 is a trademark of Texas Instruments.

## Dimensions

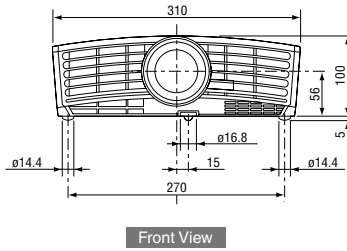
Unit (mm)



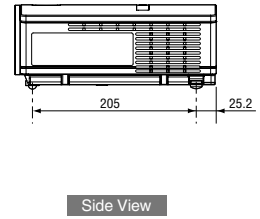
Top View



Bottom View



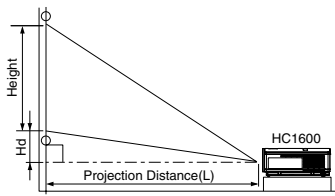
Front View



Side View

## Screen size and Projection distance

As seen from the side



### Screen size chart

Diagonal size	Screen (16:9 aspect ratio)				Projection distance (L)				Hd		
	Width	Height	Shortest (Wide)	Longest (Tele)	inch	m	inch	cm	inch	cm	
40	102	35	89	20	50	56	1.4	68	1.7	6.6	17
60	152	52	133	29	75	85	2.2	103	2.6	9.9	25
80	203	70	177	39	100	114	2.9	139	3.5	13.2	33
100	254	87	221	49	125	143	3.6	174	4.4	16.5	42
150	381	131	332	74	187	216	5.5	262	6.6	24.7	63
200	508	174	443	98	249	289	7.3	349	8.9	32.9	84
250	635	218	553	123	311	362	9.2	—	—	41.2	105
275	699	240	609	135	342	398	10.1	—	—	45.3	115

The above numbers are approximate, and may be slightly different from the actual measurements.

## Optional Lamp



VLT-HC910LP

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