

EPSON
EXCEED YOUR VISION

C²FINE™



Unveiling the world's finest real Hi-Definition projector

Featuring a new generation of technology including revolutionary Crystal Clear Fine.

 **3LCD**

Home Projector **EMP-TW1000**

Home Projector EMP-TW1000



Full High-Definition LCD Panel

Built-in Full High-Definition LCD Panel. Epson has developed a new generation D6 "Crystal Clear Fine" LCD panel capable of realizing high definition images from the latest technologies including High-Definition broadcasting, Blu-ray* and HD-DVD**.



Equipped with Crystal Clear Fine



Full high-definition LCD panel (1920 x 1080 pixels)



720 panel (1280 x 720 pixels)



Ultra High Contrast 12000:1

New Projection Lens : Wide Zoom Range 2.1x and High Resolving Power

It diminishes colour aberration considerably thanks to the precise arrangement of a large caliber aspherical glass lens and extra low dispersion glass. Also, the number of lenses used has been reduced to 14 which now employ a newly developed ultra-low reflection multi-coating to minimize flare and allow the images to be represented brightly in sharp, ultra high contrast.

**Blu-ray Disc is a registered trademark of the Sony Corporation
**HD-DVD is a registered trademark of the DVD Format/Logo Licensing Corporation

Top-class Basic Performance Features for Outstanding Image Quality

Bright1200 ANSI lm, E-TORL

The small, yet highly luminescent 170W lamp (E-TORL) is capable of projecting an impressive 1200 ANSI lm, making it possible to enjoy clear images.



High Contrast Ratio (12000:1) Thanks to Auto Iris Function and D6 new technology LCD panel "C2Fine"

By making use of the Auto Iris Function which controls the lamp brightness at 60 times per second along with D6 "C2Fine", the projector can regulate the image brightness and contrast like never before. In bright scenes, the whites are very bright and dark scenes are projected in a richer black than ever possible before, allowing for incredibly clear and vivid images projected with an amazing 12000:1 contrast ratio.



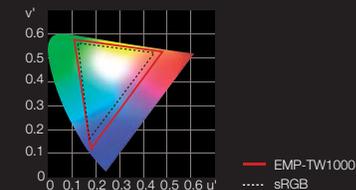
Auto iris Off



Auto Iris On

Epson Cinema Filter

The improved "Epson Cinema Filter" adjusts the image colour optically. By adjusting the three primary colours of light (Red, Green and Blue) with exceptional balance and precision, the projector is able to project an extensive range of colours for beautiful images with genuine colour.



Epson Cinema Filter

Soft, Bright, Beautiful... 3LCD Technology

3LCD technology achieves brighter, more natural images and smoother, sharper video playback. No colour break-up makes images gentler on the eyes.



A Variety of Functions to Project Images Beautifully

6 Colour Modes

Choose from any one of the six pre-set colour modes for perfect colour to suit the image. It is also possible to change the lamp brightness between high and low, depending on your taste.

Colour Mode	Lamp Power	New Epson Cinema Filter	Recommended Applications
Dynamic	High/Low Changeable	Off	For all-round performance
Living Room			For faithful representation of incoming signals
Natural		On	Recommended for most movies
Theatre			Clear, professional monitor-like images
Theatre Black 1			For the warmth and depth of theater-like images
Theatre Black 2			

Built-in Ver.1.3 HDMI terminal Also corresponds with 1080p input

It has a built-in Ver.1.3 HDMI terminal capable of transmitting nearly double the information of previous HDMI versions, thus expanding the number of colours considerably. Connecting with a next generation Ver.1.3 compatible disc player makes it possible to enjoy high definition images even further.



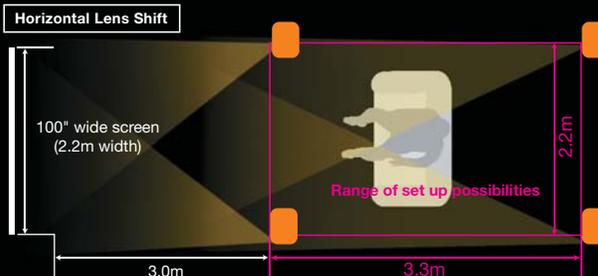
10 Bit Colour Processing

10 Bit Colour Processing is capable of reproducing 1.07 billion colours for rich expression and smooth gradation. Ver.1.3 HDMI has made 10-bit Colour Processing of digital signals possible.

Wide-ranging Adaptability

Vertical & Horizontal Lens Shift

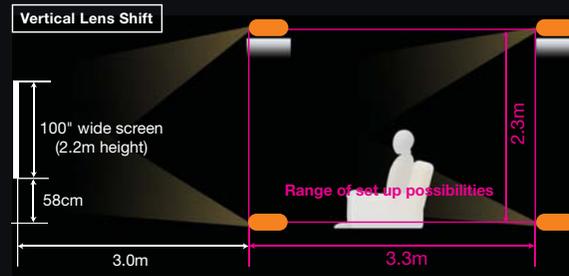
It comes equipped with a vertical and horizontal lens shift function that allows the user to reposition the image up to nearly 2 screen widths laterally and close to 3 screens vertically without altering the shape or compromising the image quality. This useful function allows you to place the projector off to the side and view an undistorted image on the screen.



The projection screen can be moved left or right nearly 2 screen widths.
*The horizontal lens shift allows the center of the screen to be shifted approximately half a screen width to the left or right of center.

2.1x Wide Zoom Ratio / Short Focus Lens

The wide zoom ratio helps to increase the range of set up possibilities by allowing for movement both forward and back with relation to the screen. The short focus lens is capable of projecting an 100 inch screen from as close as 3.0m from the screen.



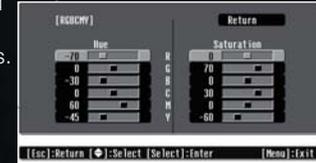
The projection screen can be moved up or down nearly 3 screens.
*The vertical lens shift allows the center of the screen to be shifted up or down approximately one screen height in either direction.

5 Aspect Modes

Auto, Normal, Full, Zoom, Wide

Six-Axis Colour Adjustment

The hue and saturation for each of the RGBCMY colour components can be adjusted independently. This feature enables you to make more precise colour adjustments than anything so far, allowing you to customize images to suit your own colour preferences.



Epson Super White

Express images in "Super White" to compensate for the overexposure often evident in bright portions of images.



Customized Gamma Adjustment

The user can control the gamma curve easily and freely while viewing the projected image using Epson's innovative Graphic User Interface. This function helps in adjusting the gradation of dark or delicate parts within an image according to user preferences.



Easy to Use

Easy to Use Remote Controller

The conveniently sized and well designed remote controller is easy to hold and use. Light-up the buttons with a push of the light activation button for use in a dark room.



Direct Power-On

The Direct Power-On function allows for the projector to startup without pressing the power button. A ceiling mounted EMP-TW1000 is activated automatically when the room's power source is switched on.

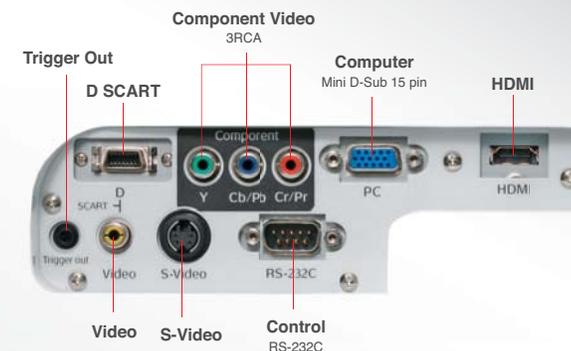
Home Projector EMP-TW1000

Specifications

Projection System	RGB liquid crystal shutter projection system	
LCD	Pixel Number	2,073,600 dots (1920x1080)x3
	Native Resolution	1080p
	Panel Size (Diagonal)	0.74 - inch wide panel with MLA (D6, C2Fine)
Brightness	1200 ANSI lm (Colour mode: Dynamic, Zoom:Wide, Lens shift:V10:0/H Center)	
Screen Size (Projected Distance)	30-300 inch (Wide 0.87 to Tele 19.15 m)	
Contrast	12000:1 (Colour mode: Dynamic, Zoom:Wide, Lens shift:Full, Auto Iris:On)	
Projection Lens	Type	Manual zoom/focus
	F-number	2.0-3.17
	Focal Length	22.5-47.2 mm
	Zoom Ratio	1-2.1
Lens Shift Range	Vertical	96 % max.(upward and downward)
	Horizontal	47 % max.(left and right)
Lamp	170 W UHE (E-TORL) NEW	
Fan Noise	26 dB (Colour mode: Theatre Black1/Theatre Black2, Lamp Brightness:Low)	
Supported RGB signal resolutions	1280x1024/1360x768/1024x768/800x600/640x480	
Supported Video Signals	NTSC/NTSC4.43/PAL/M-PAL/N-PAL/PAL60/SECAM 525i/525p/625i/625p/750p/1125i/1125p	
Digital Input	HDMI Ver.1.3	
Video Input	3RCA (Component), RCA (Composite), S-Video, D	
Analog RGB Input	Mini D-Sub 15 pin	
Control I/O	RS-232C	
Colour mode	Theatre/Theatre Black1/Theatre Black2/Natural/Living Room/Dynamic	
	Controlled automatically with colour mode ON : Theatre/Theatre Black1/Theatre Black2/Natural OFF: Living Room/Dynamic	
Auto Iris Function	Controlled automatically adjusting to video source (User selectable)	
Other Functions	Epson Super White, Customized Gamma Adjustment	
	Six-Axis Colour Adjustment, Advanced Sharpness Adjustment, etc.	
Operation Temperature	5 °C to 35 °C (41 °F to 95 °F)	
Power Supply Voltage	100-240 VAC ±10% , 50/60 Hz	
Power Consumption	100-240 VAC 50/60 Hz 2.7-1.2 A	
Size (Excludes Feet)	406 (W) x 353 (D) x 143 (H) mm	
Weight	Approx. 5.6kg	
Supplied Accessories	Power cord (3.0 m)	
	Remote controller	
	User's manual	

Optional Accessories

ELPLP39	Spare Lamp
7100977	Ceiling mount kit



Projection Distance and Screen Size

Units: cm (in.)		Units: cm (ft.)	
16:9 Screen Size	Projection Distance		
	Shortest	Longest	
	(Zoom Adjustment Wide) - (Zoom Adjustment Tele)		
30"	66 x 37 (26 x 15)	87 - 188 (2.8 - 6.2)	
40"	89 x 50 (35 x 20)	117 - 252 (3.8 - 8.3)	
60"	130 x 75 (51 x 28)	177 - 380 (5.8 - 12.5)	
80"	180 x 100 (71 x 39)	238 - 508 (7.8 - 16.7)	
100"	220 x 120 (87 x 47)	298 - 636 (9.8 - 20.9)	
120"	270 x 150 (106 x 59)	359 - 764 (11.8 - 25.1)	
150"	330 x 190 (130 x 75)	450 - 956 (14.7 - 31.4)	
200"	440 x 250 (173 x 98)	601 - 1276 (19.7 - 41.9)	
300"	660 x 370 (260 x 146)	903 - 1915 (29.6 - 62.8)	

Units: cm (in.)		Units: cm (ft.)	
4:3 Screen Size	Projection Distance		
	Shortest	Longest	
	(Zoom Adjustment Wide) - (Zoom Adjustment Tele)		
30"	61 x 46 (24 x 18)	106 - 230 (3.5 - 7.6)	
40"	81 x 61 (32 x 24)	143 - 309 (4.7 - 10.1)	
60"	120 x 90 (47 x 35)	217 - 465 (7.1 - 15.3)	
80"	160 x 120 (63 x 47)	291 - 622 (9.6 - 20.4)	
100"	200 x 150 (79 x 59)	365 - 778 (12.0 - 25.5)	
120"	240 x 180 (94 x 71)	439 - 935 (14.4 - 30.7)	
150"	300 x 230 (118 x 91)	550 - 1170 (18.0 - 38.4)	
200"	410 x 300 (161 x 118)	735 - 1561 (24.1 - 51.2)	
300"	610 x 460 (240 x 181)	1105 - 2344 (36.3 - 76.9)	

