



EPSON
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Epson EMP-TW2000 Home Theatre Projector Specification Sheet

Unveiling the world's finest real Hi-Defenition Projector. Featuring a new generation of revolutionary Crystal Clear Fine.

PRODUCT TYPE	Home Theatre Projectors
PRODUCT NAME	Epson EMP-TW2000
PRODUCT CODE	V11H262053
PROJECTION SYSTEM	RGB Liquid Crystal Display
PROJECTION METHOD	Front / Rear / Ceiling Mount

SPECIFICATION OF MAIN PARTS

LCD	Size	0.74 inches wide panel MLA (C2 Fine, D7, 12Bit)
	Driving method	Poly-Silicon TFT Active Matrix
	Native resolution	1080P Full HD (1920 x 1080)
	Pixel number	2073600 pixels (1920 x 1080 pixels) x 3
	Aspect ratio	16:9
	Pixel arrangement	Stripe
PROJECTION LENS	Type	manual: zoom / focus
	F-number	2.0 - 3.17
	Focus length	22.5 - 47.2mm
	Zoom ratio	1.0:2.1
LAMP	Type	170 W UHE E-TORL Lamp
SCREEN SIZE (PROJECTED DISTANCE)		30 to 300 inch (0.87m to 9.03m) (Wide)
		30 to 300 inch (1.88m to 19.15m) (Tele)
LENS SHIFT RANGE		Vertical: 96.3% max. (upward & downwards) Horizontal: 47.1% max. (Left and Right)

BRIGHTNESS

	High Brightness Mode	1600 ANSI lumens Colour Mode (Dynamic, Zoom: Wide, Lens shift: V10 / H Centre)
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CONTRAST	50000:1 (Colour Mode: Dynamic, Lamp brightness: Zoom: Wide, Lens shift: Full, Auto iris: On)
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COLOUR PROCESSING	Full 10 bit
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COLOUR REPRODUCTIVITY	Full Colour (10.07 Billion Colours)
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COLOUR SPACE	115% of NTSC
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VIDEO QUALITY	Interlace - Progressive conversion 3D Y/C separation, Noise reduction
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EFFECTIVE SCANNING FREQUENCY RANGE (Analog/Digital)

PIXEL CLOCK	13.5MHz to 150MHz
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HORIZONTAL	15 to 80KHz
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VERTICAL	24Hz, 50 to 85Hz
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ADJUSTMENT FUNCTION

PROJECTOR / REMOTE CONTROL	Brightness / Contrast / Tint / Saturation / Input signal etc.
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TILT ANGLE	0 to 2.1 degrees
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KEystone CORRECTION	N/A
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EPSON CINEMA FILTER	Controlled automatically with color mode (ON: Theatre Modes / Natural / x.v colour, OFF: Living Room / Dynamic)
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AUTO IRIS	Controlled automatically adjusting to video source (Available at colour mode except x.v. Colour, User selectable ON/OFF on OSD)
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EPSON SUPER WHITE	Controlled automatically adjusting to video source (Available at Natural/Theatre/Theatre Black 1 and 2; user selectable ON/OFF on OSD)
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2:2 PULL DOWN (1080p/24 fps Capability)	On/Off (Default off, HDMI & Component input only)
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FAN NOISE

HIGH BRIGHTNESS MODE	32dB (Colour mode: Dynamic Lamp brightness: High)
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WHISPER MODE	24dB (Colour mode: Theatre Black 1 and 2)
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ANALOGUE RGB I/O

DISPLAY PERFORMANCE	Native	1125p
	Resize	1280 x 1024 / 1360 x 768 / 1024 x 768 / 800 x 600 / 640 x 480 / 1125p / 1125i / 750p / 625p / 525p / 625i / 525i

INPUT SIGNAL	Signal type	Separate signal
	Video signal	Analog (0.7V p-p, 75 ohm/ Mac0.714Vp-p, 75ohm)

Sync.signal	Separate (positive & negative, bi-polarity 2-5Vpp) / Composite (positive & negative, bi-polarity 2-5Vpp) / Sync-on-green (negative, 0.3Vpp)
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INPUT TERMINAL	Video	Mini D-sub 15 pin x 1 Blue molding
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HDMI Ver.1.3

DISPLAY PERFORMANCE	Native	1125p
	Video standard	1125p / 1125i / 750p / 625p / 525p / 625i / 525i
Video signal		TMDS (Signal for HDMI)
Input Terminal		HDMI(V1.3) x 2

VIDEO I/O

COMPONENT INPUT

INPUT SIGNAL	Video standard	1125p / 1125i / 750p / 625p / 525p / 625i / 525i
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Video signal	Component Video (Analog Y level 0.7V 75 ohm / Cr Cb level +/-0.35V 75 ohm / sync. negative 0.3V or 3-state +/-0.3V on Y) RCA x 3 (Red / Green / Blue)
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INPUT TERMINAL

COMPOSITE / S VIDEO

INPUT SIGNAL	Video standard	NTSC / NTSC4.43 / PAL / M-PAL / N-PAL / PAL60 / SECAM
Video signal		Composite Video (1.0Vpp / Sync.negative, 75 ohm) / S-Video (Luminous 0.714Vpp, Chrominous 0.286Vpp, 75 ohm)

INPUT TERMINAL	S-Video	Mini DIN
	Composite Video	RCA (Yellow) x 1

CONTROL I/O

SERIAL I/O	I/O terminal	D-sub 9 pin x 1
	I/O signal	RS-232c

LOCK FUNCTION	Operation Lock & child-lock
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OPERATING TEMPERATURE	5°C to 35 °C (41°F to 95 °F) at 20% ~ 80% Humidity
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DIRECT POWER ON	Yes
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COOL-DOWN PERIOD	Approx 16 seconds
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POWER SUPPLY VOLTAGE	100-240 VAC ±10%, 50/60Hz
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POWER CONSUMPTION	240W (Lamp High), 200W (Lamp Low)
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DIMENSIONS

EXCLUDE FEET	406mm(W) x 310mm(D) x 124mm(H)
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MAXIMUM DIMENSION	406mm(W) x 353mm(D) x 143mm(H)
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WEIGHT	Approx. 5.6kg
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ACCESSORIES

POWER CORD	3m
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REMOTE CONTROL	Stick type (backlight)
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BATTERY	Alkaline, AA x2 (Included)
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USER'S MANUAL	Included
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LENS CAP	Included
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WARRANTY*	3 years * including lamp
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* For more information visit [Epson Projector Warranty](#)

Product Options

Product Code	Item Code	Description
V13H010L39	V13H010L39	Lamp

Usage Conditions

Epson products are designed and made to give highly reliable use and long life when used according to its specifications. With any system, product or device used in situations where human life may be involved or at risk, Epson advises that you should take all necessary steps to ensure the suitability of your Epson product for inclusion in your system, and recommends that you include fail-safe procedures and redundancy support or backup equipment in your system, to maintain the maximum safety margin and optimum system reliability. Examples include but are not limited to – do not interfere with any electrical components within the device, do not use items supplied with the product for purposes other than as intended by Epson (ie mains cords, inks, CDs, plastic wrapping) and do not make modifications to the product.