



Epson EMP-TW1000 Projector

Specification Sheet

Experience the ultimate performance in true digital high definition home cinema

PRODUCT TYPE	Home Theatre Projectors
PRODUCT NAME	EPM-TW1000
PRODUCT CODE	V11H245053
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)
	Driving method	Poly-Silicon TFT Active Matrix
	Native resolution	1080P Full HD (1920 x 1080)
	Pixel number	6220800 pixels (1920 x 1080 pixels) x 3
	Aspect ratio	16:9
	Pixel arrangement	Stripe
PROJECTION LENS	Refresh Rate	50Hz or 60Hz (based on input signal)
	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	1200 ANSI lumens Colour Mode (Dynamic, Zoom: Wide, Lens shift: V10 / H Centre)
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CONTRAST	12000:1 (Colour Mode: Dynamic, Zoom: Wide, Lens shift: Full, Auto iris: On)
COLOUR PROCESSING	Full 10 bit
COLOUR REPRODUCTIVITY	Full Colour (10.07 Billion Colours)
COLOUR SPACE	115% of NTSC
VIDEO QUALITY	Interlace - Progressive conversion 3D Y/C separation, Noise reduction

EFFECTIVE SCANNING FREQUENCY RANGE (Digital)

PIXEL CLOCK	13.5MHz to 150MHz
HORIZONTAL	15 to 80KHz
VERTICAL	50 to 85Hz

ADJUSTMENT FUNCTION

PROJECTOR / REMOTE CONTROL	Brightness / Contrast / Tint / Saturation / Input signal etc.
TILT ANGLE	0 to 2.1 degrees
KEystone CORRECTION	N/A
EPSON CINEMA FILTER	Controlled automatically with color mode (ON: Theatre Modes / Natural, OFF: Living Room / Dynamic)
AUTO IRIS	Controlled automatically adjusting to video source. (Available at all colour modes; user selectable ON/OFF on OSD)
EPSON SUPER WHITE	Controlled automatically adjusting to video source (Available at Natural/Theatre/Theatre Black 1 and 2; user selectable ON/OFF on OSD)

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 Video signal Sync.signal
		Separate signal Analog (0.7V p-p, 75 ohm/ Mac0.714Vp-p, 75ohm) Separate (positive & negative, bi-polarity 2-5Vpp) / Composite (positive & negative, bi-polarity 2-5Vpp) / Sync-on-green (negative, 0.3Vpp)
INPUT TERMINAL	Video	Mini D-sub 15 pin x 1 Blue molding

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	Input Terminal	HDMI x 1 (V1.3)

VIDEO I/O

COMPONENT INPUT

INPUT SIGNAL	Video standard	1125p / 1125i / 750p / 625p / 525p / 625i / 525i
	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)
INPUT TERMINAL		RCA x 3 (Red / Green / Blue)

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
OPERATING TEMPERATURE	5°C to 35 °C (41°F to 95 °F) at 20% ~ 80% Humidity
DIRECT POWER ON	Yes
COOL-DOWN PERIOD	Approx 30 seconds
POWER SUPPLY VOLTAGE	100-240 VAC ±10%, 50/60Hz
POWER CONSUMPTION	240W (Lamp High), 200W (Lamp Low)

DIMENSIONS

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

FAN NOISE

HIGH BRIGHTNESS MODE	33dB (Colour mode: Dynamic Lamp brightness: High)
WHISPER MODE	26dB (Colour mode: Theatre Black 1 and 2)

ACCESSORIES

POWER CORD	3m
REMOTE CONTROL	Stick type (backlight)
BATTERY	Alkaline, AA x2 (Included)
USER'S MANUAL	Included
LENS CAP	Included
WARRANTY*	2 years

* excluding lamp

PRODUCT OPTIONS

Product Code	Item Code	Description
V13H010L39	V13H010L39	Lamp
3YWTW1000	3YWTW1000	3rd Year Warranty (* Australia Only)