



Epson EMP-TW700 Projector

Specifications Sheet

The ultimate cinema experience in the comfort of your own home.

PRODUCT TYPE	Home Theatre Projectors
PRODUCT NAME	EMP-TW700
PRODUCT CODE	V11H244053
PROJECTION SYSTEM	D5 Liquid Crystal Display
PROJECTION METHOD	Front / Rear / Ceiling Mount

SPECIFICATION OF MAIN PARTS

LCD	Size	0.7 inches wide MLA
	Driving method	Poly-Silicon TFT Active Matrix
	Pixel number	1280 x 720 pixels
	Native resolution	720P
	Aspect ratio	16:9
PROJECTION LENS	Pixel arrangement	Stripe
	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
LAMP	Zoom ratio	1.0:2.1
	Type	170 W UHE E-TORL Lamp
SCREEN SIZE (PROJECTED DISTANCE)	30 to 300 inch (0.93 to 9.61m) (Wide)	
	30 to 300 inch (2.00 to 20.35m) (Tele)	
LENS SHIFT RANGE	Vertical: 102.3% max. (upward & downwards)	
	Horizontal: 50% max. (Left and Right)	

BRIGHTNESS

High Brightness Mode	High Brightness	1600 ANSI lumens
	Mode	Colour Mode (Dynamic, Zoom: Wide, Lens shift: Full, Auto iris: On)
CONTRAST	10000:1 (Colour Mode: Dynamic, Zoom: Wide, Lens shift: Full, Auto iris: On)	

BRIGHTNESS UNIFORMITY	87.9%
COLOUR REPRODUCTIVITY	10bit colour processing
COLOUR SPACE	134% of sRGB

EFFECTIVE SCANNING FREQUENCY RANGE

PIXEL CLOCK	13.5MHz to 110MHz
HORIZONTAL	15 to 92KHz
VERTICAL	50 to 85Hz

ADJUSTMENT FUNCTION

PROJECTOR / REMOTE CONTROL	Keystone (Vertical) / Brightness / Contrast / Tint / Saturation / Input signal etc.
TILT ANGLE	0 to 2.1 degrees
KEystone CORRECTION	Vertical: -15 to +15 degrees (Zoom: Tele)
EPSON CINEMA FILTER	Controlled automatically with color mode (ON: Theatre Black 1 and 2 / Natural / s-RGB, 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	750P
	Resize	1280 x 1024 / 1280 x 768 / 1360 x 768 / 1024 x 768 / 800 x 600 / 640 x 480 / 525i / 625i / 525p / 625p / 1125i
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)
INPUT TERMINAL	Video	Mini D-sub 15 pin x 1 Blue molding

VIDEO I/O

COMPONENT INPUT

INPUT SIGNAL	Video standard	525i / 625i / 525P / 625P / 750P / 1125i
	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) x 2, D4 video

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
	Video	RCA (Yellow) x 1

HDMI

DISPLAY PERFORMANCE	Native	750P
INPUT SIGNAL	Video Standard	525i / 625i / 525P / 625P / 750P / 1125i
	Video Signal	TMDS (Signal for HDMI)
INPUT TERMINAL	Video	HDMI (High Definition Multimedia Interface) 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>
DIRECT POWER ON	Yes
COOL-DOWN PERIOD	Approx 30 seconds
START-UP PERIOD	To lamp on: Approx 10 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. 5.4kg

FAN NOISE

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

ACCESSORIES

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

WARRANTY* **2 years**

* excluding lamp

* For more information visit: [Epson Projector Warranty](#)

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Product Options

Product Code	Item Code	Description
V13H010L39	V13H010L39	Lamp
3YWTW700	3YWTW700	3rd Year Warranty (*Australia Only)