



Epson EH-TW4000

Specification Sheet

Home Theatre Projector

Epson EH-TW4000

V11H292353

PROJECTION SYSTEM

RGB Liquid Crystal Display

PROJECTION METHOD

Front / Rear / Ceiling Mount

SPECIFICATION OF MAIN PARTS

LCD	Size	0.74 inches wide D7, C2-Fine panel with MLA
	Driving method	Poly-Silicon TFT Active Matrix
	Native resolution	1080P Full HD (1920 x 1080)
	Pixel number	6220800 px (1920 x 1080 px) x 3
	Aspect ratio	16:9
PROJECTION LENS	Pixel arrangement	Stripe
	Refresh Rate	100Hz or 120Hz (based on input signal)
	Type	manual: zoom / focus
	F-number	2.0 - 3.17
LAMP	Focus length	22.5 - 47.2mm
	Zoom ratio	1.0:2.1
	Type	200 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 lumens
Colour Mode (Dynamic, Zoom: Wide, Lens shift: V10/H Centre)

CONTRAST

75000:1 (Colour Mode: Dynamic, Zoom: Wide, Lens shift: : V10 / H Centre , Auto iris: On)

COLOUR PROCESSING FULL 10 BIT

COLOUR REPRODUCTIVITY FULL COLOUR (1.07 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 15kHz to 80KHz
VERTICAL 24Hz, 50Hz 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 except x.v. Color; user selectable Off / Normal / Fast 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)
4:4 Pull Down (1080p/24p, 1080/60i or 480i)	On/Off, Convert 3:2 pull down to 4:4 pull down (Default off, HDMI & Component input)

ANALOGUE RGB I/O

DISPLAY PERFORMANCE	Native 1080p Resize 1280 x 1024 / 1360 x 768 / 1024 x 768 / 800 x 600 / 640 x 480
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

HDMI VER.1.3

DISPLAY PERFORMANCE	Native 1080p
	Video standard 576i / 480p / 576p / 720p / 1080i / 1080p
	Video signal TMDs (Signal for HDMI)
	Input Terminal HDMI x 2 (HDCP)

COMPONENT INPUT

INPUT SIGNAL	Video standard	480i / 576i / 480p / 576p / 720p / 1080i / 1080p
	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	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 x1 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
TRIGGER OUT	Output terminal	3.5 mm mini-jack x 1
	Output Signal Power on:	12V DC, 200mA max Power off: 0v

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 16 seconds

POWER SUPPLY VOLTAGE

100-240 VAC ±10%, 50/60Hz

POWER CONSUMPTION

299W (Lamp High)

DIMENSIONS

EXCLUDE FEET	450mm(W) x 360mm(D) x 136mm(H)
MAXIMUM DIMENSION	450mm(W) x 390mm(D) x 145mm(H)
WEIGHT	Approx. 7.3 kg

FAN NOISE

HIGH BRIGHTNESS MODE	30dB (Colour mode: Dynamic)
WHISPER MODE	22dB (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 (CD-Rom)
LENS CAP	Included

WARRANTY*

2years excluding lamp

* For more information visit <http://www.epson.com.au/warranty/>

PRODUCT OPTIONS

Product Code	Item Code	Description
V13H010L49	V13H010L49	Lamp
3YWTW4000	3YWTW4000	3rd Year Warranty