



# Epson EH-TW5000

## Specification Sheet

### Home Theatre Projector

#### Epson EH-TW5000

V11H293453

#### 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
	Pixel arrangement	Stripe
PROJECTION LENS	Refresh Rate	100Hz or 120Hz (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	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	On/Off, Convert 3:2 pull down to 4:4 pull down
(1080p/24p, 1080/60i or 480i)	(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

#### ASPECT MODES

Auto / Normal / Full / Zoom / Wide / Anamorphic Wide

#### 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 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: HD, Silver Screen)

#### ACCESSORIES

POWER CORD	3m
REMOTE CONTROL	Stick type (backlight)
BATTERY	Alkaline, AA x2 (Included)
USER'S MANUAL	Included (CD-Rom)
LENS CAP	Included
CABLE COVER	Included

#### WARRANTY\*

3 years including lamp

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

#### PRODUCT OPTIONS

Product Code	Item Code	Description
V13H010L49	V13H010L49	Lamp