

Epson EH-TW5500



Epson is pleased to introduce the Epson EH-TW5500 Home Theatre Projector. Featuring a contrast ratio of 200,000:1, improved Deep Black Technology and HQV Processor the EH-TW5500 sets a new benchmark in High Definition home cinema. The EH-TW5500 delivers superb quality through cutting-edge technology. Exactly what you expect from the world's number one projector manufacturer – Epson.

KEY FEATURES:

- **Deep, dark blacks, crystal clear detail** – UltraBlack technology with an unprecedented 200,000:1 contrast ratio
- **Rich, vibrant colour** – latest generation D7 3-chip optical engine with 3LCD C2Fine® technology
- **Superior video quality** – Silicon Optix HQV Reon-VX processor minimises noise and jaggies generating a more natural looking image
- **Brilliant, widescreen performance** – new anamorphic (vertical stretch) widescreen mode facilitates real 2.35:1 movie playback with no black bars (with anamorphic lens).*
- **Refined Frame Interpolation** – Smooth image movement, even in high speed scenes
- **Convenient Colour Calibration** – ISF certified; customise settings for any environment

The Epson EH-TW5500 sets a new benchmark in 1080p High Definition home theatre projection. The EH-TW5500 is targeted to satisfy the most discerning of home theatre enthusiasts seeking best-in-class contrast ratio and superb picture quality. The EH-TW5500 can be used on a table top, or as the centrepiece of a full home theatre installation.

Enjoy the Home Theatre Experience in a way you never thought possible

With unrivalled Silicon Optix HQV Reon-VX video processing and a best-in-class 200,000:1 contrast ratio, Epson's flagship EH-TW5500 projector offers the most discerning home theatre enthusiast a stunning visual experience. Whether you're watching movies or sports, this 1080p projector ensures amazing image quality with the latest generation Epson D7 chip, UltraBlack™ technology and a bright 1,600 lumens of light output.

With innovative colour adjustment features and a state-of-the-art Fujinon lens, a brand trusted by renowned Hollywood filmmakers, the EH-TW5500 delivers superb video performance. And, with Epson's 3LCD, 3-chip optical engine, it offers such incredible quality, you're sure to achieve a true cinematic experience. Setup is easy with the colour isolation feature and ISF calibration, which allows you to adjust colours as the filmmaker intended. The EH-TW5500 brings big-screen entertainment home in a whole new way.

Silicon Optix HQV Reon-VX processor

The Silicon Optix HQV processor is the reference standard in deinterlacing and scaling. With standard definition (SD) and high definition (HD) interlaced content (DVDs, TV shows, 1080i HDTV broadcasts), the HQV Reon-VX processor reduces jagged edges on low angle solid lines and flat edges. This superior video processor minimizes MPEG compression-related artifacts, such as mosquito noise and restores the image to a more natural picture.

3LCD technology – for amazing quality and colour

3LCD technology delivers amazing colour and detail. Whether it's a blockbuster movie or live sporting event, 3LCD technology takes video performance to the next level. Delivering legendary image quality, this innovative technology always ensures a thrilling cinematic experience.

Imaging Science Foundation (ISF) certification

Certified by the ISF, the EH-TW5500 has been built to the strictest video standards. Calibration tools include multiple picture memories, and lockout to prevent accidental, post-calibration user misadjustments. ISF Cinema Day and Cinema Night modes are available.

OptiCinema™ lens system

The OptiCinema lens system is a precision, high quality optical grade system. Co-developed with Fujinon, a top supplier of precision camera optics to the world's leading HD camera makers, the system offers:

- Maximum picture uniformity
- Clarity across the entire screen
- Freedom from colour fringing
- Precision focus with 2.1x zoom
- Maximum installation flexibility with 96% vertical / 47% horizontal lens shift

UltraBlack technology and Vertical Alignment

Achieve incredibly deep blacks with an astounding 200,000:1 contrast ratio, UltraBlack technology and Epson's exclusive Vertical Alignment (VA) LCD technology. With VA LCD technology, opaque (black) is the natural state. Signal voltage is applied to increase translucence (transmittance) as needed. This is a fundamental design and performance advantage – a complete rethinking of LCD chip design

FineFrame interpolation processing technology

Film is encoded on Blu-ray at 24 frames per second. FineFrame deconstructs and reconstructs these sources for a 1080p frame rate output of up to 120Hz, virtually eliminating flicker and frame-to-frame judder. The 4:4 pulldown function also makes corrections for improperly encoded sources, and features a reverse 2:3 pulldown detection and correction function.

Energy-efficient E-TORL lamp

The innovative E-TORL lamp, exclusively from Epson, is a reliable performer that delivers more lumens per watt and lasts up to 4,000 hours. Switch the projector to High Brightness Mode and the E-TORL lamp still produces up to 4,000 hours of light performance. The special E-TORL design minimizes both light diffraction and light leakage, providing the ultimate in lamp longevity.

3 year projector and lamp warranty

The EH-TW5500 comes with a full 3 year warranty on both the lamp as well as the projector itself. Absolute peace of mind protection for your state-of-the-art projector.

Attractive cable cover

Bundled with the EH-TW5500 is an attractive colour coded cable cover, continuing the clean lines of the projector and hiding away untidy cabling.

PRODUCT TYPE	Home Theatre Projectors
PRODUCT NAME	EH-TW5500
PRODUCT CODE	V11H338453
PROJECTION SYSTEM	RGB Liquid Crystal Display
PROJECTION METHOD	Front / Rear / Ceiling Mount
SPECIFICATION OF MAIN PARTS	
LCD	Size Driving method Native resolution
	0.74 inches wide D7 panel with MLA Poly-Silicon TFT Active Matrix 1080P Full HD (1920 x 1080)

	Pixel number	2073600 pixels (1920 x 1080 pixels) x 3
	Aspect ratio	16:09
	Pixel arrangement	Stripe
	Refresh Rate	100Hz or 120Hz (based on input signal)
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	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		
	White Light Output	1600 lumens
	Colour Light Output*	1600 lumens
	High Brightness Mode	Colour Mode (Dynamic, Zoom: Wide, Lens shift: V5.5 / H Centre)
		*For further information on Colour Light Output click here
CONTRAST		200000:1 (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, Mosquito NR, Block NR
EFFECTIVE SCANNING FREQUENCY RANGE (Digital)		
PIXEL CLOCK		13.5MHz to 150MHz
HORIZONTAL		15 to 80KHz
VERTICAL		24, 50 to 85Hz
ADJUSTMENT FUNCTION		
PROJECTOR / REMOTE CONTROL		Brightness / Contrast / Tint / Saturation / Input signal etc.
TILT ANGLE		0 to 8.0 degrees
KEystone CORRECTION	N/A	
COLOUR MODE		Dynamic, Living Room, Natural, Theatre, Theatre Black 1, Theatre Black 2, x.v. Color
EPSON CINEMA FILTER		
		Controlled automatically with colour mode (ON: Natural / Theatre / Theatre Black 1 / Theatre Black 2 / x.v.Color, OFF: Dynamic / Living room)
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, or480i capability)
		On/Off, convert 3:2 pull down signal to 4:4 pull down (Default on:1080/24p, Default off:1080/60i or 480i, HDMI & Component Input)
ASPECT MODE		Auto / Normal / Full / Zoom / Wide / Anamorphic Wide
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 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) Mini D-sub 15 pin x 1 Blue molding
INPUT TERMINAL HDMI Ver.1.3	Video	
DISPLAY PERFORMANCE	Native	1080p
	Video standard Video signal Input Terminal	480i / 576i / 480p / 576p / 720p / 1080i / 1080p TMDS (Signal for HDMI) HDMI x 2 (HDCP)
VIDEO I/O COMPONENT INPUT		
INPUT SIGNAL	Video standard Video signal	480i / 576i / 480p / 576p / 720p / 1080i / 1080p 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)
INPUT TERMINAL COMPOSITE / S VIDEO		
INPUT SIGNAL	Video standard Video signal	NTSC / NTSC4.43 / PAL / M-PAL / N-PAL / PAL60 / SECAM Composite Video (1.0Vpp / Sync.negative, 75 ohm) / S- Video (Luminous 0.714Vpp, Chrominous 0.286Vpp, 75 ohm)
INPUT TERMINAL	S-Video Composite Video	Mini DIN x1 RCA (Yellow) x 1
CONTROL I/O SERIAL I/O	I/O terminal I/O signal	D-sub 9 pin x 1 RS-232c
TRIGGER OUT		
Output terminal		3.5 mm mini-jack x 1 Power on: 12v DC, 200mA max Power off: 0v
	Output Signal	
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 MAXIMUM DIMENSION WEIGHT		450mm(W) x 360mm(D) x 136mm(H) 450mm(W) x 390mm(D) x 145mm(H) 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	
LENS CAP	Included	
WARRANTY*	3 years	
	* including lamp	
	* For more information visit Epson Projector Warranty	
PRODUCT OPTIONS		
Product Code	Item Code	Description
V13H010L49	V13H010L49	Lamp