

Epson EH-TW3000
Home Theatre Projector



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A stunning 1080p cinematic experience. Powerful performance advantages.

Enjoy the home theatre experience in a way you never thought possible. With a 18000:1 contrast ratio, the highest currently available in its class, the Epson EH-TW3000 puts you right in the middle of where the action is, as larger-than-life images leap right off the screen. Whether you're watching movies or sports, this 1080p projector ensures amazing image quality with the latest-generation Epson D7 chip, DeepBlack technology and 1800 lumens of colour and white light output.* With a state-of-the-art Fujinon lens, a brand trusted by renowned Hollywood filmmakers, this product delivers blockbuster 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. The Epson EH-TW3000 brings big-screen entertainment home in a whole new way.

E p s o n E H - T W 3 0 0 0





A stunning 1080p cinematic experience. Powerful performance.



3LCD technology — for quality and colour that's beyond amazing

Whether it's a blockbuster movie or live sporting event, 3LCD technology takes video performance to the next level.



- **3-Chip Optical Engine** — All 3LCD projectors use a 3-chip optical engine to deliver incredibly bright, true-to-life colour. Unlike other technologies, 3LCD projectors do not rely on a spinning colour wheel to produce colour.
- **High Colour Light Output** — 3LCD projectors consistently deliver high Colour and White Light Output so video images always look their very best.
- **Road-Tested Reliability** — 3LCD technology has been the world leader for 19 years and has consistently been the choice of users who demand the long-life performance and reliability.

Importance of Colour Light Output

Colour Light Output is a metric reported in lumens that measures a projector's ability to deliver colour. Developed by colour scientists, Colour Light Output provides a simple and accurate way to evaluate projector Colour Performance.

Colour Light Output is critically important because colour is a key indicator of picture quality. Colour light output provides users with a way to evaluate a projector's Colour Performance to make better buying decisions. An equivalent lumens measurement of Colour Light Output and White Light Output results in optimal Colour Performance.

The image on the right is from a projector with equal Colour Light Output and White Light Output.



Competing Projector Image***



Epson Projector Image***

Amazing 1080p image quality.



7 colour modes

Dynamic, Living Room, Natural, Theatre, Theatre Black 1, tt Black 2, x.v.Colour

Lumens

1800 lumens colour light output,
1800 lumens white light output (ISO 21118 standard)



Silicon Optix HQV Reon-VX processor

The Silicon Optix HQV processor is the reference standard in deinterlacing and scaling. Its Floating Point Gate Array technology realises an incredible one trillion processing operations per second. In fact, this system provides a host of processing, deinterlacing and scaling benefits. And it delivers true, four-field, pixel-by-pixel processing, even with 1080i/60 Hz HD program material. With standard definition (SD) and high definition (HD) interlaced content (DVDs, TV shows, 1080i HDTV broadcasts), the Reon-VX smooths jagged edges on low-angle solid lines and flat edges. MPEG compression-related artifacts, such as mosquito noise, are reduced due to the Reon's processing prowess. MPEG compression works via 8x8 pixel blocks — Reon-VX block-noise reduction minimises block noise artifacts, restoring a natural picture. For poor contrast image sources, such as SD broadcast, cable and video tape, Reon-VX provides three user-selectable levels of contrast enhancement.



Original picture

Without HQV Reon-VX

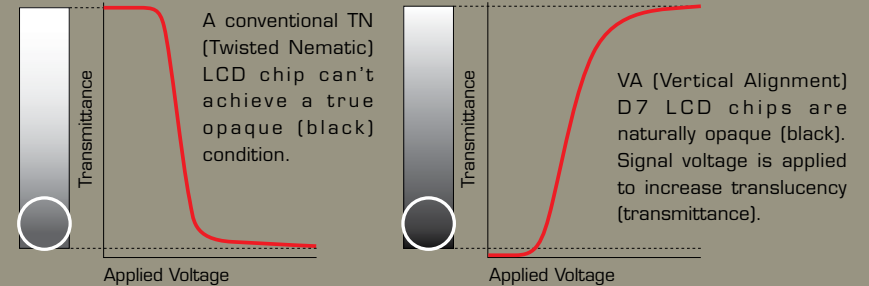
With HQV Reon-VX

Images simulated to show block noise reduction

Deep, dark blacks

Achieve astounding blacks with an incredible 18000:1 contrast ratio, DeepBlack 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 re-thinking of LCD chip design. Conventional LCDs use Twisted Nematic chips, which are translucent in their natural state. Signal voltage is applied to reduce light throughput, but the inability to achieve correct Liquid Crystal alignment means that true black is impossible to achieve, as there will always be some leakage. VA technology is fundamentally correct, and results in true deep blacks since the molecules align uniformly with minimal stray light leakage.

TN Mode: Normally Translucent VA Mode: Normally Opaque (black)



"black levels" simulated

Epson D7 chip with DeepBlack technology.



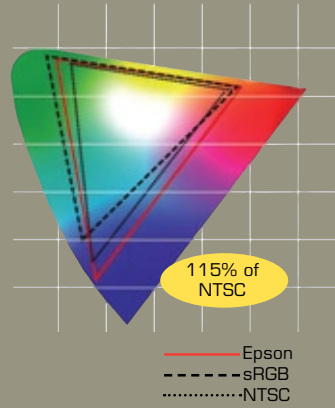
OptiCinema™ lens system

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, this 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**

Epson's exclusive cinema filter

The Epson EH-TW3000 brings astounding, true-to-life colour to images onscreen. This Epson-exclusive technology expands the colour gamut to reproduce colours as filmmakers intended. This generates a more natural colour palette and ensures a more vivid viewing experience.

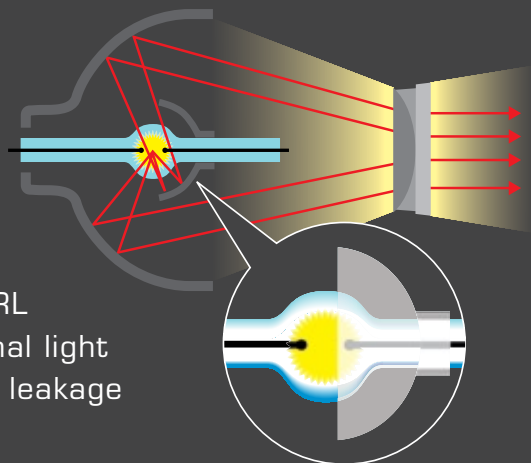


New, advanced, high-speed auto iris

Projector lamps work differently than incandescent lamps — they cannot be dimmed over a wide luminance range. Thus, the auto iris acts as a "light gate" to control lamp light output. A high-speed, high torque, precision motor and gearing allow shutter doors to very quickly control light output changes according to the picture level. The advanced auto iris adjusts light output up to 60 times per second. This new, advanced function now has a High-speed Mode, which operates at double the reaction speed, making this an ideal mode for fast-action movies and TV shows.



Epson EH-TW3000.



Exclusive E-TORL lamp for minimal light diffraction and leakage

1080p video processing for 1.07 billion colours

Screen Resolution	Millions of Pixels Per Second		
	1	2	3
1920 x 1080 1080p	2,073,600		
1920 x 1080 1080i	1,036,800		
1280 x 720 720p	921,600		

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 4000 hours.** Switch the projector to High Brightness Mode and the E-TORL lamp still produces up to 4000 hours of light performance. The special E-TORL design minimises both light diffraction and light leakage, providing you the ultimate in lamp longevity — up to 50 percent more lamp life than with competitive products.



State-of-the-art features and blockbuster performance.



Projection System	3LCD, 3-chip optical engine Poly-silicon TFT active matrix
Resolution	Native 1080p (1920 x 1080)
Projection Methods	Front/ Rear/ Ceiling Mount
Aspect Ratio	Native 16:9 widescreen (4:3 resize); Compatible with 4:3 and 2.35:1 video formats with Normal, Full or Zoom Modes
Lumens*	1800 lumens colour light output 1800 lumens white light output (ISO 21118 standard)
Contrast Ratio (in Dynamic Colour Mode)	Up to 18000:1
Colour Processing	10-bit
7 Colour Modes	Dynamic, Living Room, Natural, Theatre, Theatre Black 1, Theatre Black 2, x.v.Colour
Zoom Ratio	Manual 2.1x
Projection Lens	F-number: 2.0 – 3.17, 22.5 – 47.2 mm focal length
16:9 Widescreen Image Size (projected distance)	100" diagonal (wide: 9.8' – tele: 20.9')
Lens Shift	Vertical: 96.3% max (up and down) Horizontal: 47.1% max (left and right)
Fan Noise	22 dB – 31 dB
Lamp	200 W UHE (Ultra High Efficiency) E-TORL
Lamp Life**	Up to 4000 hours
Dimensions (W x D x H)	450 x 360 x 136mm (excluding feet)
Weight	7.3 Kg
Video Input: Signal	NTSC/ NTSC4.43/ PAL/ M-PAL/ N-PAL/ PAL60/ SECAM/ 480i/ 576i/ 480p/ 576p/ 720p/ 1080i/ 1080p
Terminal Inputs	2 HDMI 1.3a, 1 RCA (composite), 1 x 3 RCA (component), 1 Mini DIN (S-video), 1 D-Sub 15 pin (Analog RGB), 1 D-Sub 9 pin (RS-232c)
Video Compatibility	HDMI, HDTV, Component video, S-video, Composite video, NTSC/ PAL/ SECAM, Analog RGB (PC only)

* Light output varies depending on modes (colour and white light output).

** Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time.

*** Actual photographs of images produced by 2 competing projectors run in default mode. Price, resolution, brightness (white light output) are the same for both projectors.

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SUPPORT

Pre-sales support: Australia (02) 8899 3666 / New Zealand 0800 23 77 66

Internet website: www.epson.com.au / www.epson.co.nz

WARRANTY

Two year warranty (excluding lamp)

WHAT'S IN THE BOX

Power cable

Remote control

2 batteries

User manual

ACCESSORY PART NUMBERS

Replacement lamp V13H010L49

Air filter V13H134A21

EPSON®
EXCEED YOUR VISION

Epson Australia
3 Talavera Road
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Epson New Zealand
Level 4, 245 Hobson Street
Auckland, New Zealand

HDMI

x.v.Color

HQV
SILICON OPTIX

Better Products for a Better Future™