

Epson EH-TW7100



[+ ENLARGE IMAGE](#)

Home Theatre Projectors

Superior image quality with 4K PRO-UHD

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Overview

KEY FEATURES & BENEFITS

4K PRO-UHD¹ – a new type of 4K home theatre projection technology only from Epson

Advanced 3LCD projector design – a true 3-chip design, 3LCD technology

Amazing colour brightness² – 3,000 lumens colour brightness and 3,000 lumens white brightness

Dedicated 4K pixel-shift processor¹ – Epson's advanced pixel-shifting resolution-enhancement technology results in an exceptional 4K visual experience

Dedicated HDR processor – full 10-bit HDR colour processing uses 100% of the HDR source information

High contrast – contrast ratio up to 100,000:1 delivers an extraordinary range of colour and detail in both bright and dark scenes

Lens shift – lens shift enables installation flexibility with a range of up to $\pm 60\%$ on the vertical axis and up to $\pm 24\%$ on the horizontal axis

Wide ranging connectivity – connect to virtually any device, making your entertainment more accessible

Captivating sound – two built-in 10 W stereo speakers for lifelike sound

Easy to use – simple and easy to use home screen with quick access to menus

2 year projector warranty – enjoy peace of mind

¹ 4K Enhancement technology (4Ke) shifts each pixel diagonally to double the native panel full HD (1920x1080) resolution. Resolution is full HD in 3D mode.

² Colour brightness (colour light output) in brightest mode, measured by a third-party lab in accordance with IDMS 15.4. colour brightness will vary depending on usage conditions. Top-selling Epson 3LCD projectors versus top-selling 1-chip DLP projectors based on NPD sales data for October 2019 through September 2020.

4K PRO UHD

Experience a new type of 4K home theatre projection technology from Epson with proprietary dedicated processors for resolution enhancement¹, HDR, and image processing. 4K PRO-UHD home theatre projectors faithfully display all your favourite content from the classics to the latest blockbusters. This isn't just a new way to watch movies — it's the best way.

¹ 4K Enhancement technology (4Ke) shifts each pixel diagonally to double full HD (1920x1080) resolution. Resolution is full HD in 3D mode.



3LCD technology

All Epson projectors are based on 3-chip LCD technology for amazing colour, incredible detail and solid reliability. 3LCD's 3-chip architecture dedicates an entire chip to process each primary colour – red, green and blue, continuously. Unlike single-chip technology that delivers colour sequentially, you get full-time colour. The result is vibrant, realistic images and video all delivered with 3LCD's true-to-life colour.



Amazing colour brightness with Epson

Brilliant image quality requires high colour brightness (colour light output). EH-TW7100, powered by 3LCD technology, is capable of producing white light and colour light output of 3,000 lumens in 4K enhancement resolution, delivering amazing colour brightness.

Super-resolution with detail enhancement

Super-resolution defines edges for standard and HD content, while detail enhancement refines surface detail for true-to-life images.



Dedicated 4K enhancement processor

Advanced 4K enhancement hardware precisely controls three-individual high-definition LCD chips to parallel process up to 12 million pixels of information. This new type of resolution enhancement technology results in a 4K visual experience – surpassing other forms of 4K home theatre projection.

Dedicated HDR processor

A high dynamic range expands the range of colour and contrast that can be reached, resulting in a more realistic and natural image. Epson's full 10-bit HDR colour processing accepts 100% of the HDR source information to faithfully reproduce HDR content for an exceptional visual performance.

SDR(Standard dynamic range)



HDR(High dynamic range)



100,000:1 high contrast

Enjoy bright, vibrant pictures as well as excellent shadow detail, so you can bring your favourite movies to life.



1. Lower Contrast Ratio



2. EH-TW7100



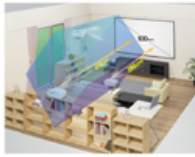
Frame interpolation

Frame interpolation technology inserts multiple new frames between the original ones, so motion appears smoother, sharper and more realistic.

Imaging Science Foundation (ISF) calibration and colour management

The Epson EH-TW7100 features ISF certification for top video performance. The EH-TW7100 makes it possible to calibrate the levels of the brightness, colour, and contrast setting against the room lighting and the projection environment to capture every subtle intricacy.



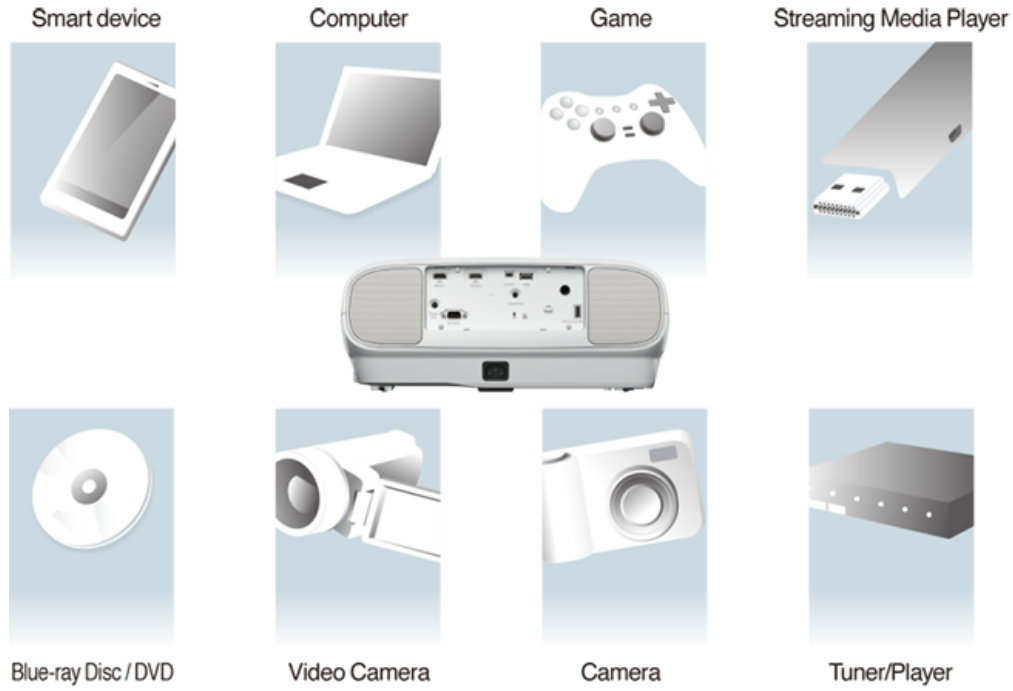


Installation flexibility

Lens shift allows you a wide range of placement possibilities, with a broad shift range of 60% vertically and 24% horizontally. Combined with a 1.6x zoom lens, projector placement is a breeze.

Wide ranging connectivity

Connect from virtually any device, making your entertainment simple and more accessible.



Compact placement

With an exhaust system with air intake at both the side and front of the projector, it is now possible to place the EH-TW7100 in a compact location so you can be fully immersed in a cinematic environment.



Captivating sound

Enjoy amazing audio with two built-in 10W speakers.



Bright 3D Drive technology for 3D cinematic adventures

Enjoy thrilling 3D adventures right in the comfort of your living room. Featuring Bright 3D Drive technology, the TW7100 puts you right in the middle of the action. Epson's drive system minimises the blackout time of 3D glasses and provides greater brightness when viewing 3D content.



Simple set-up

An intuitive remote puts all the most commonly used functions at your fingertips, making it easier than ever to find the functions you need. The EH-TW7100 also features a welcome guide so new users can fully utilise the projector and keep entertainment to a maximum.



Connectivity panel



Specification

PRODUCT NAME	EH-TW7100
PRODUCT CODE	V11H959053
WHAT'S IN THE BOX	EH-TW7100 Projector, Power Cable, Remote Control + Batteries, User Manual, Quick Start Guide
TECHNOLOGY	
Projection System	RGB liquid crystal shutter projection system
LCD Panel	0.61-inch wide panel with MLA (C2 Fine, 10 bit)
Pixel Number	2,073,600 dots (1920 x 1080)
Resolution	4K Enhancement* 1920 x 1080 x 2
OPTICAL	
Zoom	1 - 1.62 (Optical)
Screen Size	40" to 500" [1.16 to 14.87 m] (Zoom: Wide) 40" to 500" [1.89 to 24.01 m] (Zoom: Tele)
Projection Distance	100" screen 2.95 - 4.77 m
Throw Ratio	1.35 (Zoom: Wide), 2.15 (Zoom: Tele)
Projection Lens F Number	1.49 - 1.77
Projection Lens Focal Length	18.2 mm - 29.2 mm
Focus Method	Manual
Lens Shift (Manual)	Vertical: -60% to +60% Horizontal: -24% to +24%
IMAGE	
Colour Light Output	3,000 Lumens
White Light Output	3,000 Lumens
Native Aspect Ratio	16:9
Contrast Ratio	100,000:1
Light Source	Lamp
Lamp Type	250 W UHE
Lamp Life	3,500 h, 5,000 h (ECO)
Colour Reproduction	Up to 1.07 billion colours

Colour Processing	10 bit
Keystone Correction	Vertical: -30 to +30 degrees Horizontal: -30 to +30 degrees
2D / 3D Frequency Image	240 Hz / 480 Hz
2D Vertical Refresh Rate	192 Hz - 240 Hz
3D Vertical Refresh Rate	400 Hz - 480 Hz

CONNECTIVITY

Input: Digital	2 x HDMI (1 x HDCP2.2)
Input: Opt. HDMI	1 x USB A
Input: Control	1 x RS232c
Input: Network I/O	1 x USB Type A (for optional Wireless LAN unit)
Trigger Out	3.5 mm mini-jack
Audio Out	Stereo Mini
Wireless Connectivity	Optional
Super Resolution	Yes
High Dynamic Range - HDR10	Yes
Hybrid Log Gamma - HLG	Yes
Image Enhancement	Yes
Frame Interpolation	Yes
4K Enhancement	Yes
3D Formats	Top-and-Bottom, Side-by-Side
Built In Speakers	2 x 10 W
Direct Power On	Yes
Security	Kensington®-style lock provision
Aspect Modes	Yes (Auto / Normal / Full / Zoom / Anamorphic / Wide / Horizontal Squeeze)
Colour Modes	Dynamic, Bright Cinema, Natural, Cinema

GENERAL

Dimensions D x W x H (including feet)	330 x 410 x 164 mm
Weight	6.9 kg
Lamp Warranty	1 Year or 750 Hours - Whichever comes first
Projector Warranty	2 Years
Power Consumption: Lamp on	406 W
Power Consumption: Standby	2 W
Noise Level (Normal/Eco)	35/24 dB

* 4K Enhancement Technology (4Ke) shifts each pixel diagonally to double Full HD resolution. Resolution is Full HD in 3D Mode.

PRODUCT OPTIONS	Product Code	Description
	V13H010L85	ELPLP85 Replacement Lamp
	V13H134A39	ELPAF39 Air Filter
	V12H003B22	ELPMB22 Ceiling Mount (Standard)
	V12H526040	ELPMB30 Ceiling Mount (Flush)
	V12H003P13	ELPPFP13 Suspension Adapter 450mm
	V12H003P14	ELPPFP14 Suspension Adapter 700mm

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Consumables

ACCESSORIES & OPTIONS	PRODUCT CODE
ELPMB22 Ceiling Mount	V12H003B22
ELPPFP13 Extension Pole - 450mm	V12H003P13

<u>ELPP14 Extension Pole - 918mm to 1,168mm</u>	V12H003P14
<u>ELPAF39 Air Filter</u>	V13H134A39
<u>ELPMB30 Low Profile Ceiling Mount</u>	V12H526040
<u>ELPLP85 Projector Lamp</u>	V13H010L85

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