# DEBUNKING THE MYTHS ABOUT HOME PROJECTORS

**MYTH 1**

**TRUTH**

**A television is just as good as a projector.**

There is less strain on your eyes viewing content from a projector screen, as compared to a television screen, due to a gentler light reflection. You also have the flexibility of having a big screen experience of up to 500-inches in the comfort of your home.

VS — Up to 500"

TV — PROJECTOR

**MYTH 2**

**TRUTH**

**Projectors and its maintenance are expensive.**

Depending on your needs, you can choose between laser or lamp projectors, and before you know it, you have your money back from saving all those trips to the cinema with our wallet-friendly home projectors!
Also, expensive lamp replacements are a thing of the past. With laser projectors' 20,000 maintenance free hours*, you can indulge in 5-hour movie marathons daily for up to 10 years!

### Laser Projectors Have

## 20000

### Maintenance Free Hours*

*For selected models only.

**MYTH 3**

**TRUTH**

**A projection screen is too big for your home?**

You can easily adjust the screen size from 60-inches to 100-inches, by shifting your home projectors at a distance of 0.26m to 3m^ from the wall.

^Throw distance range is an estimate and will vary depending on model.

100"
60"
0.26m
3m

**MYTH 4**

**TRUTH**

**I need a blank wall.**

You could easily purchase a pull-down screen or a portable screen that can be kept away when it is not in use.

**MYTH 5**

**TRUTH**

**A dark room is needed.**

Thanks to our 3LCD technology, projected contents from Epson home projectors remain brilliant even when viewed in well-lit areas, with equal white and colour brightness of up to 4,000 lumens and high brightness contrast ratio over 2,500,000:1.

**MYTH 6**

**TRUTH**

**Troublesome installation.**

Simply turn on the power and be entertained instantly by the inbuilt smart streaming function* of your projector.

*For selected models only.

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# EPSON

androidtv

# YOUR IDEAL MULTI-FUNCTIONAL HOME ENTERTAINMENT PROJECTORS.

**Fulfil your desire for a spectacular cinematic experience right at home with Epson.**

Complete your home entertainment setup and indulge in your favourite shows with Epson's home entertainment projectors. With 4K resolution*1, maintenance-free laser light source*2, and gentler light reflection, you can now host movie nights or simply binge-watch your favourite shows with absolute joy and ease.

## IT'S IN THE DETAILS.

WORLD'S No.1 HOME PROJECTORS | 3LCD | 3D | 4K PRO-UHD | 4K | LASER LIGHT SOURCE

**Exceptional Image Quality**
Watch as every scene come alive at stunning true-to-life quality, lit up in vivid colours.

**Smart Media Player Function**
Explore a world of unlimited entertainment with Android TV™ and Chromecast built-in™ functions.

**All-in-One Entertainment**
Experience the perfect balance of visual and sound, encapsulated in a compact and stylish design.

*1   Selected models only. 4K Enhancement Technology shifts each pixel diagonally to double Full HD resolution. Resolution is Full HD in 3D Mode.
*2   No maintenance for the laser light source required for up to 20,000 hours. Approximate time until brightness decreases 50% from first usage. Measured by acceleration test assuming use of 0.04-0.20 mg/m3 of particulate matter. Time varies depending on usage conditions and environment. Replacement of parts other than the light source may be required in a shorter period.
*   Google, Google Play, YouTube, Android TV and other marks are trademarks of Google LLC. Google Assistant is not available in certain languages and countries. Availability of services varies by country and language.

## High definition
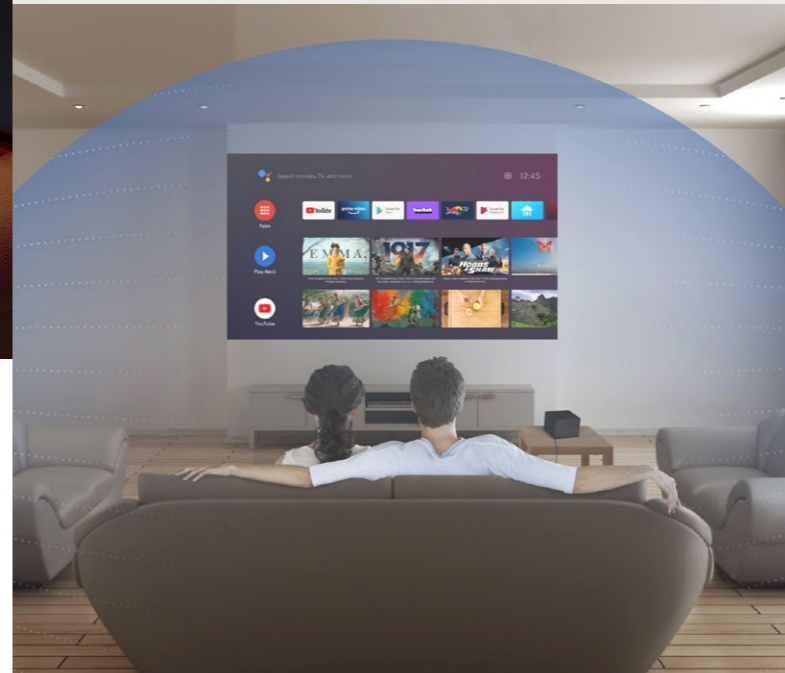### Stunning image quality

It is no longer impossible to recreate that cinematic adventure in your own home with Epson's range of home projectors. Enjoy a truly captivating, detail-packed experience right from the comfort of your couch.

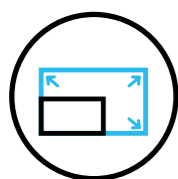## Plug-and-play
### Fuss-free set up

All you need is to plug in the power and your entertainment begins. Home entertainment is made more accessible and fuss-free with Epson's home projectors, which come ready with Android TV™* function.
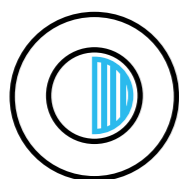
*Selected models only.

## Truly flexible
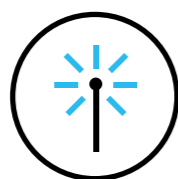### Project wherever you are

Our stylish and compact home entertainment projectors are designed with the aim to blend in with the aesthetics of your room easily. With flexible screen sizes and keystone correction functions, you can now place the projector anywhere in your living room and still enjoy a perfect vivid projection.
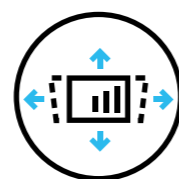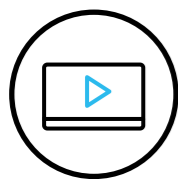
Flexible Screen Size

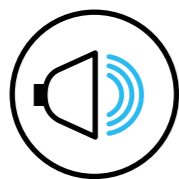High Contrast Ratio

Laser Light Source*

Lens Shift*

High Dynamic Range (HDR)*

Inbuilt Smart Streaming Function*

Built-in Speaker*

Horizontal Keystone Adjuster*

Fuss Free set up

Smart Wireless Connectivity*

*Applies to selected models only.

# Up close and personal

Bringing the actions closer to you with a bigger viewing screen, you can also stream to your heart's content with Android TV™* now. Indulge in high contrast videos that bring forth a vivid viewing experience – enjoy your favourite shows without compromising on its quality wherever you are.

## EpiqVision Mini

| CO-FH01 | CO-FH02 | EF-11 | EF-12 |

*Selected models only.

## Lightweight and
# Portable

As light as 1.2kg[1], you now have the flexibility and convenience to bring the projector around the house, set it up at any corner of your living space, and start watching the latest shows with your family and friends.

## Get Connected
# Virtually

Simply start up your projector and begin video conferencing with no additional fuss. Conduct virtual calls with your colleagues, friends and family by simply connecting your USB webcams[2].
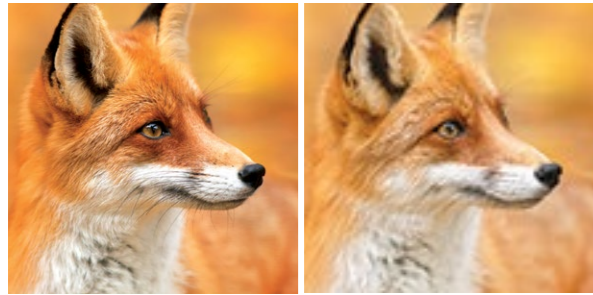
[1] Weight reference for EpiqVision Mini EF-11. [2] For EpiqVision Mini EF-12 only. Check compatible webcam listing on Epson website.

## Brilliant and Sharp
# HDR10-Compatible

*Except CO-FH01/FH02 and EF-11*

Compatible with High Dynamic Range content, revel in crisp, detailed, and realistic images with enhanced details on your Epson Ultra Lifestyle projectors. Now you can enjoy an optimal viewing experience with prime picture quality for all your favorite shows.

With HDR Function          Without HDR Function

## Cinematic Sound Experience with
# Built-in Yamaha Speaker

*EpiqVision Mini EF-12 Only*

Party as if you are there in person! Immerse in rich audio with the built-in Yamaha speaker, or use it as a standalone bluetooth speaker for your music while you chill.

sound by **YAMAHA**

## Get more done with voice control on androidtv

Explore a plethora of entertainment possibilities with the Android TV™* and Chromecast built-in™*.
With the intuitive integrated UI and Voice Control function*, you can now do more with Google Assistant.
Simply connect to the Wi-Fi and your favourite content is just a voice command away.

### Unlimited entertainment
Start a new drama, binge-watch your favourite movies, or stream the latest hits simply with a voice command.

### Wealth of information
Learn more about the shows you are watching. Ask about your favourite movies, actors, or even get the latest scoring status for your favourite teams.

### Plan your day
Manage your calendar, flight information, daily commute and more with your smart projector.

Chromecast built-in

Google Assistant

# Vibrant, Dynamic and High-Performing.

| THE PERFECT COMPANION FOR WORK & PLAY |
| --- |

## CO-FH02

POWERED BY
**androidtv**

| RESOLUTION **Full HD 1080p** | SUPPORT BLUETOOTH AUDIO | COMPACT SIZE **2.6kg** |
| --- | --- | --- |
| UP TO **391"** SCREEN SIZE | **3000** LUMENS | **AUTO VERTICAL KEYSTONE** ADJUSTMENT | **5W** MONO SPEAKERS |

3LCD | NO RAINBOW EFFECT | Chromecast built-in

| THE VERSATILE HOME ENTERTAINMENT PROJECTOR |
| --- |

## CO-FH01

Chromecast built-in™, Bluetooth audio support, and streaming of Android TV™ content requires purchase of ELPAP12 Android TV™ Dongle. Dongle is sold separately.

| RESOLUTION **Full HD 1080p** | COMPACT SIZE **2.4kg** |
| --- | --- |
| UP TO **391"** SCREEN SIZE | **3000** LUMENS | **5W** MONO SPEAKERS |

3LCD | NO RAINBOW EFFECT

| WORLD'S SMALLEST 3LCD LASER PROJECTOR^ |
| --- |

## EpiqVision Mini EF-11

EpiqVision

| Over **2,500,000:1** Contrast Ratio | RESOLUTION **Full HD 1080p** | |
| --- | --- | --- |
| UP TO **150"** SCREEN SIZE | **1000** LUMENS | **AUTO VERTICAL KEYSTONE** ADJUSTMENT | **1.5W** MONO (2-WAY) SPEAKERS |

3LCD | NO RAINBOW EFFECT | LASER LIGHT SOURCE | Wi-Fi CERTIFIED Miracast™[1]

| WORLD'S SMALLEST 3LCD LASER PROJECTOR^ WITH ANDROID TV™ |
| --- |

## EpiqVision Mini EF-12

EpiqVision

sound by **YAMAHA**

POWERED BY
**androidtv**

| Over **2,500,000:1** Contrast Ratio | RESOLUTION **Full HD 1080p** | SUPPORT BLUETOOTH AUDIO |
| --- | --- | --- |
| UP TO **150"** SCREEN SIZE | **1000** LUMENS | **AUTO VERTICAL & HORIZONTAL KEYSTONE** ADJUSTMENT | **5W** STEREO SPEAKERS |

3LCD | NO RAINBOW EFFECT | LASER LIGHT SOURCE | 4K INPUT SUPPORT[2] | Chromecast built-in

# Aesthetically pleasing
# no matter where you place it

Take your home viewing experience to the next level with Epson's Android TV™ ready lineup*. Chill and stream endless entertainment contents online using Android TV™ from the comfort of your living room.

### EpiqVision Ultra

EH-TW6250        EH-TW7000              EH-LS300B          EH-LS800B

*Selected models only.

### Immersive and Frameless
# Large Sized Display

Maximise your on-screen entertainment with these feature-packed projectors, providing a frameless capability by breaking image size constraints. Your best alternative for home entertainment, projecting up to a 500-inch^ screen size – much larger than what a conventional TV screen can provide.

**3 times BIGGER than TV***

*Based on 40-inch Laser TV x4.

### Complete the Big Screen
### Experience with
# ELPSC35 ALR Screen

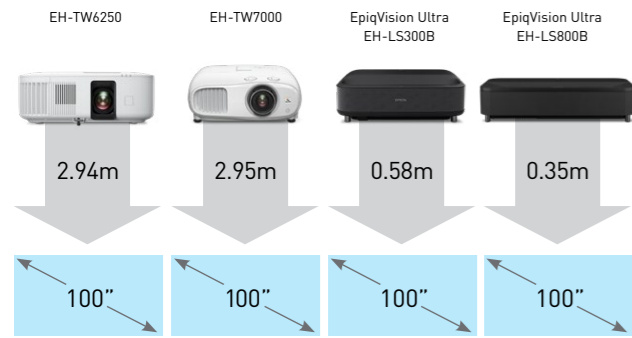For EpiqVision Ultra EH-LS300B & EH-LS800B

Be immersed in a cinematic experience right at home with 4K content on the ELPSC35 ALR Screen. With the ambient light rejecting ability, be prepared to get blown away by the vibrant and realistic images with better contrasts and deeper blacks enhanced for your viewing pleasure.

**Up to 100"**

^For EH-TW7000 and EH-TW6250.

## Flexible Placement
# Optimal Placement

These sleek and compact projectors blend in seamlessly anywhere in your living space. Choose a projector that fits your requirement from a wide range of choices.
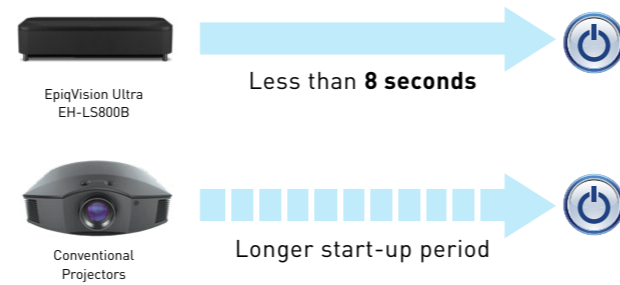
| EH-TW6250 | EH-TW7000 | EpiqVision Ultra EH-LS300B | EpiqVision Ultra EH-LS800B |
|---|---|---|---|
| 2.94m | 2.95m | 0.58m | 0.35m |
| 100" | 100" | 100" | 100" |

Standard Screen's Throw distance

## Plug-and-Play
# Quick Start-Up

For EH-LS300B and EH-LS800B

You no longer have to wait to boot up your EpiqVision projectors to begin watching your favourite shows. With the shorter start-up time compared to a conventional projector setup, enjoy your favourite shows with a simple click on the remote.

EpiqVision Ultra EH-LS800B — Less than **8 seconds**

Conventional Projectors — Longer start-up period

## Fine-tune your sound experience with YAMAHA speaker

For EpiqVision Ultra EH-LS300B and EH-LS800B

EPSON

Bask in a multi-dimensional true sound with 3D surround, designed with YAMAHA's unique DSP processing technology – AudioEngine™. Striking a careful balance and delivering controlled beams of sound, you can now immerse in spectacularly powerful and supreme sound quality, regardless of whether it is a clear acoustic sound or rich bass music.

Choose the most suitable music mode based on the content you are playing:

| STUDIO | STADIUM | CONCERT | KARAOKE | TV | THEATRE |
|---|---|---|---|---|---|
| For Music | For Sports | For Live Music | For Singing | For Broadcasting | For Movie |

sound by YAMAHA

# Flexible, Immersive Projection.

| SMART 4K UHD HOME THEATRE PROJECTOR | FULL-HD 3D HOME THEATRE PROJECTOR |
|---|---|
| **EH-TW6250** | **EH-TW7000** |

**EH-TW6250**

POWERED BY androidtv

RESOLUTION 4K PRO-UHD

UP TO **500"** SCREEN SIZE | **2800** LUMENS | **AUTO VERTICAL KEYSTONE** ADJUSTMENT | **10W** MONO SPEAKERS

3LCD | NO RAINBOW EFFECT | HDR | Chromecast built-in

**EH-TW7000**

RESOLUTION 4K PRO-UHD

UP TO **500"** SCREEN SIZE | **3000** LUMENS | **VERTICAL & HORIZONTAL KEYSTONE** ADJUSTMENT

3LCD | NO RAINBOW EFFECT | 3D

## ULTRA SHORT THROW PROJECTOR SERIES

| SMART FULL-HD LASER PROJECTION TV | SMART 4K PRO-UHD LASER PROJECTION TV |
|---|---|
| **EpiqVision Ultra EH-LS300B** | **EpiqVision Ultra EH-LS800B** |

**EpiqVision Ultra EH-LS300B**

EpiqVision Ultra

sound by YAMAHA | POWERED BY androidtv

Over **2,500,000:1** Contrast Ratio | RESOLUTION Full HD 1080p

UP TO **120"** SCREEN SIZE @ JUST 0.70m | **3600** LUMENS | **MOTION SENSOR** LASER LIGHT SAFETY | UP TO **20W** SOUND OUTPUT INCL. 1x WOOFER

3LCD | NO RAINBOW EFFECT | LASER LIGHT SOURCE | 4K INPUT SUPPORT[1] | Chromecast built-in

**EpiqVision Ultra EH-LS800B**

EpiqVision Ultra

sound by YAMAHA | POWERED BY androidtv

Over **2,500,000:1** Contrast Ratio | RESOLUTION 4K PRO-UHD

UP TO **150"** SCREEN SIZE @ JUST 0.54m | **4000** LUMENS | UP TO **20W** SOUND OUTPUT INCL. 1x WOOFER

3LCD | NO RAINBOW EFFECT | LASER LIGHT SOURCE | 4K INPUT SUPPORT[1] | Chromecast built-in

[1] Support up to 4K/60Hz 4:2:0 8bit.

# Inspiring New Viewing Experiences

With ease of installation, wider lens shift, 4K resolution[1], and less light leakage, you can now enjoy your favourite movies in a perfect viewing environment. Experience breathtaking and vivid projection quality with Epson's Bright Cinema mode, and customise each show according to your preferences, thanks to the picture quality processing functions[2].

EH-TW9400          EH-LS12000B

[1] For EH-LS12000B.  [2] Scene adaptive gamma, auto contrast enhancement and 4k frame interpolation are only for EH-LS12000B model.

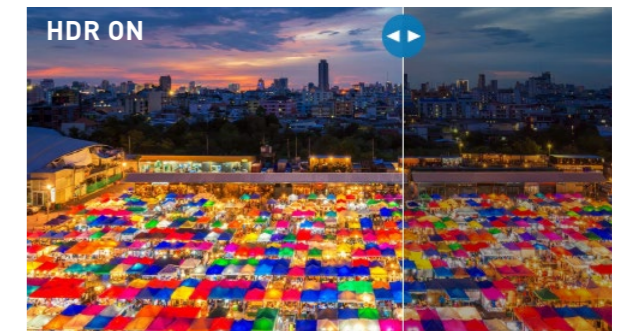### Exceptional Realism
## Stunning 4K Experience*

Make your home the centre stage for all the action with the advanced pixel-shifting technology that works in parallel with three individual high-definition LCD chips to produce an exceptionally sharp 4K picture without sacrificing on brightness.

4K PRO-UHD          4K

*Achieved by shift-technology.

### Breathtaking, Phenomenal Images
## The Evolution of HDR

Showcasing the finest details even for the most subtle shadow tones. HDR is a key technology emphasized by filmmakers that helps convey the visual intent of a film more faithfully.

HDR ON

HDR10+          HDR

HDR10+™ logo is a trademark of HDR10+ Technologies, LLC.™

### Flexibility in Installation
## Wide-range Lens Shift

With the wide range powered lens shift and zoom function that only high-end home models provide, it allows extraordinary installation flexibility that can be installed in living rooms as well as dedicated home theatre rooms with no worry for obstructions!

### Smooth Fast-Moving 4K Video
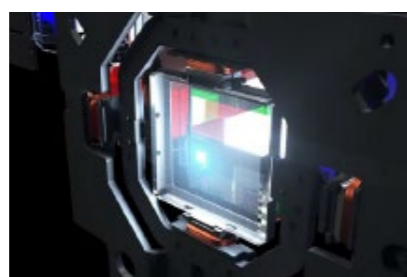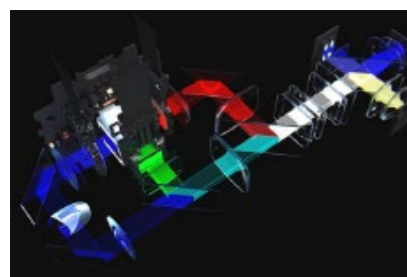## Frame Interpolation

For EH-LS12000B

With the improved frame interpolation technology, never miss out on any detail when watching fast-moving sports or gaming. Get clear image contours and smooth motion for a more holistic 4K viewing experience.

OFF          ON

## Phenomenal Brilliance.

| HIGH DYNAMIC 4K PRO-UHD HOME THEATRE PROJECTOR | PREMIUM 4K ULTRA HD HOME THEATRE PROJECTOR |
| --- | --- |
| **EH-TW9400** | **EH-LS12000B** |

**EH-TW9400**
1,200,000:1 Contrast Ratio
RESOLUTION 4K PRO-UHD
UP TO 300" SCREEN SIZE | 2600 LUMENS | POWERED LENS SHIFT

3LCD | NO RAINBOW EFFECT | 3D | 4K Enhancement | HDR | calman READY

**EH-LS12000B**
Over 2,500,000:1 Contrast Ratio
RESOLUTION 4K
UP TO 300" SCREEN SIZE | 2700 LUMENS | POWERED LENS SHIFT

3LCD | NO RAINBOW EFFECT | LASER LIGHT SOURCE | HDR | HDR10+ | calman READY

HDR10+™ logo is a trademark of HDR10+ Technologies, LLC."

## Ultimate State-Of-The-Art Big Screen Experience

For EH-LS12000B

Bring home the state-of-the-art cinema experience with Epson's premium model - the EH-LS12000B. This laser model delivers phenomenal image quality for an enthralling big screen experience.

### New and Improved Laser Diode Package
**For Unparalled Colour Realism**

Equipped with a unique cutting-edge laser optical engine, the EH-LS12000B delivers incredible contrast and 2,700 lumens of equal white and colour brightness from jet black to rich, vibrant colours with its superb colour reproduction[1].

### 2-axis shifting 4K Innovation
**For Clear Precise Images**

Using Epson's proprietary shift device technology[2] and quietness-enhancing technology in the shift device, the high aperture ratio 1080p panel is upscaled to 4K, achieving 8.3mil pixels. Delivering bright and vivid images in every projection, the LS12000B projects with incredible accuracy and precision.

### Dedicated 4K Lens
**For Consistent Focus**

Made in Japan, this high-quality 4K lens ensures high focus level (even when zoom to maximum of x2.1). The lenses coupled with the new 4K image processing chip which supports HDR10 and HDR10+ allows better colour reproduction and management, for the ultimate unrivalled experience.

## The advantage of Laser Projector  For EH-LS12000B

Next generation laser light source offers improved usability and reliability compared to conventional lamp light sources.
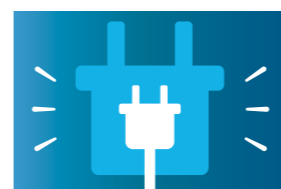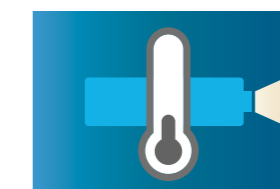
Only 8 seconds to start up from power on[1]

Multiple brightness adjustment settings

Maintenance-free, no lamp replacement[2]

Low power consumption is friendly for both home and the environment.

Long-life design[3]

Reduced light leakage in theater room environments[4]

[1] Improved compared to previous Epson 3LCD lamp projectors.
[2] Epson patented unique feedback control technology ensures precise and unmatched shift device movement.

[1] Supports fast-on lighting.
[2] Use of multiple laser diodes makes light source more reliable than a lamp. Additionally provides a light source life of 20,000 hours.
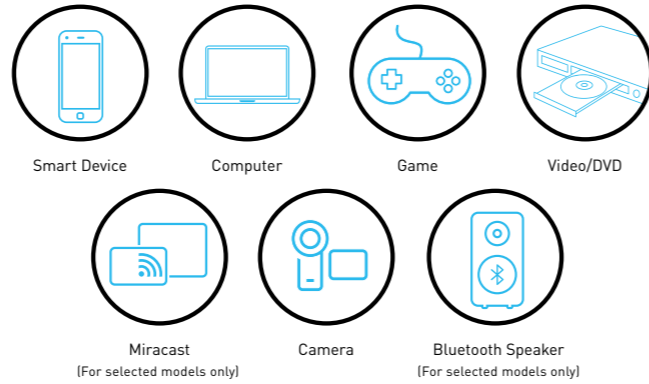[3] Low-temperature light source brings lower impact on peripheral components and increased deterioration resistance.
[4] Products using laser light sources are designed for better hermetic sealing to minimize light leakage.
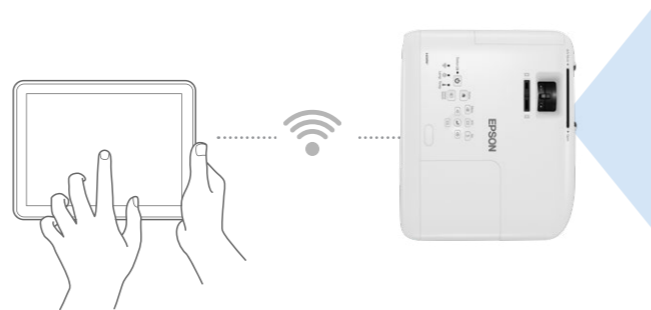
## Wide Range of
# Connectivity

Home entertainment is now made more accessible than ever! Epson's own range of projectors allows integrated support for multiple connection methods including HDMI connection to suit a wide range of entertainment devices.

**HDMI**
HIGH-DEFINITION MULTIMEDIA INTERFACE

Smart Device    Computer    Game    Video/DVD

Miracast
(For selected models only)

Camera

Bluetooth Speaker
(For selected models only)

CO-FH02    EH-TW7000    EpiqVision Ultra EH-LS300B

EpiqVision Ultra EH-LS800B    EH-TW9400    EH-LS12000B

Air intake

## Compact Design for
# Easy Ventilation

The sleek and compact designs of Epson's home entertainment projectors allow you to easily install them even in the narrowest of spaces. With air intake valves positioned at the front, you will no longer have to worry about ventilation.

## Built-in
# Wireless Projection*

Projecting high-contrast, vivid high-definition images smoothly is made possible with the built-in wireless transmission function in Epson's projectors. Conveniently project and enjoy your favourite shows and movies directly from Android and Apple iOS smart devices and PCs via Wi-Fi or Miracast today.

*Selected models. Check the model specification for more information.

EPSON
iProjection app

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**TRUE COLOURS**
Brighter, vivid projection from Epson

# Unveil
## The True Colours

**EPSON**

EPSON 3LCD PROJECTORS

1-CHIP PROJECTORS

| True BRIGHTNESS | True COMFORT | True REALISM |
|---|---|---|
| Up to 3x Brighter Colours | No Rainbow Effect | 3x Wider Colour Gamut |

**EPSON 3LCD PROJECTORS**

WHITE 3000 LUMENS
COLOUR 3000 LUMENS

LIGHT SOURCE → PRISM

WIDER COLOUR RANGE

**1 - CHIP PROJECTORS**

WHITE 3000 LUMENS
COLOUR 430 LUMENS**

LIGHT SOURCE → ROTATING COLOUR WHEEL

SMALLER COLOUR RANGE

Scan here to find out more

3LCD

WORLD'S NO.1 PROJECTORS
10 YEARS RUNNING 2001 - 2010

9in10 PREFER EPSON PROJECTORS

IT'S IN THE DETAILS.

# SPECIFICATIONS

| MODEL NUMBER | | CO-FH01 | CO-FH02 |
|---|---|---|---|
| Projection Technology | | RGB liquid crystal shutter projection system | |
| **Specification of Main Parts** | | | |
| LCD | Size | 0.62" (C²Fine) | |
| | Native Resolution | Full HD (1080p) | |
| Projection Lens | Type | No Optical Zoom / Focus (Manual) | |
| | F-Number | 1.44 | |
| | Focal Length | 16.4 mm | |
| | Zoom Ratio | 1 – 1.35 (Digital Zoom) | |
| | Throw Ratio | 1.19 – 1.61 | |
| Lightsource | Type | Lamp: 188W UHE | |
| | Life*¹ | Normal: 6,000 / Eco: 12,000 hours | |
| **Screen Size (Projected Distance)** | | | |
| Zoom: Wide | | 34" to 391" [0.89 to 10.40 m] | |
| Zoom: Tele | | 26" to 290" [0.91 to 10.41 m] | |
| Standard Size | | 60" screen 1.58 m | |
| **Brightness*²** | | | |
| Colour Light Output | | 3,000 lm | |
| White Light Output (Normal / Eco) | | 3,000 lm / 2,000 lm | |
| **Internal Speaker(s)** | | | |
| Sound Output | | 5W Monoaural (without enclosure) | 5W Monoaural (with enclosure) |
| **Geometric Correction** | | | |
| Keystone | Vertical | ±30° | |
| | Horizontal | ±30° | |
| Auto Keystone Correction | | N/A | Yes (Vertical) |
| Quick Corner | | Yes | |
| **Connectivity** | | | |
| Analog Input | D-Sub 15pin | N/A | |
| | Composite | N/A | |
| Digital Input | HDMI | 1 | |
| Audio In | | N/A | |
| Audio Out | | N/A | |
| USB Interface | USB Type A | 1 (for Wireless LAN, Firmware Update, Copy OSD Settings) | 1 (for Power Supply, Firmware Update, Copy OSD Settings) |
| | USB Type B | 1 (for Firmware Update, Copy OSD Settings) | |
| Network | Wired LAN | N/A | |
| | Wireless | Optional | N/A |
| **Wireless Specifications (Smart Media Player Functions)** | | | |
| **Wireless LAN** | | | |
| Wi-Fi Generation Name | | Wi-Fi 5 | |
| Supported Standards and Frequency | | IEEE 802.11a (5GHz)*³, IEEE 802.11b (2.4GHz)*³, IEEE 802.11g (2.4GHz)*³, IEEE 802.11n (2.4GHz and 5GHz)*³, IEEE 802.11ac (5GHz)*³ | |
| Supported Security Type | | WPA2/WPA3-PSK (AES) | |
| **Wireless Specifications (Optional Wireless LAN)** | | | |
| **Wireless LAN** | | | |
| Wi-Fi Generation Name | | Wi-Fi 4 | N/A |
| Supported Standards and Frequency | | IEEE 802.11b (2.4GHz): 11 Mbps*³, IEEE 802.11g (2.4GHz): 54 Mbps*³, IEEE 802.11n (2.4GHz): 72.2 Mbps*³, IEEE 802.11a (5GHz): 54 Mbps*³, IEEE 802.11n (5GHz): 150 Mbps*³ | N/A |
| Supported Mode | | Infrastructure, Access Point | N/A |
| Supported Security Type | | Infrastructure: Open, WPA2/WPA3-PSK, Access Point: WPA2-PSK (AES) | N/A |
| **Adjustment Functions** | | | |
| Light Output | | Yes [High, Low (Eco)] | |
| Colour Mode | | Dynamic, Vivid, Cinema, Presentation, Blackboard, sRGB | Dynamic, Vivid, Cinema, Natural |
| Scene Adaptive Gamma | | Yes | |
| Aspect Mode | | Yes | |
| **Operating Temperature** | | 5 - 40 °C <41 - 104 °F> (0m / 0ft - 2,286m / 7,500ft) 5 - 35 °C <41 - 95 °F> (over 2,286m / 7,500ft) [20%-80% Humidity, No Condensation] | |
| **Operating Altitude** | | 0 m to 3,048 m <0 ft to 10,000 ft> | |
| **Direct Power On/Off** | | Yes / Yes | |
| **Start-Up Period** | | About 6 seconds / Warm-up period: 30 seconds | |
| **Cool Down Period** | | Instant Off | |
| **Power Supply Voltage** | | 100 - 240 V AC ±10%, 50/60 Hz | |
| **Power Consumption (220-240V)** | | | |
| Lamp On (Normal / Eco) | | 270W / 214W | |
| Standby (Network On / Off) | | N/A / 0.5W | |
| **Dimension Excluding Feet (D X W X H)** | | 211 x 295 x 82 mm | 211 x 320 x 82 mm |
| **Weight** | | Approx. 2.4kg | Approx. 2.6kg |
| **Fan Noise (Normal / Eco )** | | 38dB / 29dB | 37dB / 29dB |

*¹ Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time.

*² Colour brightness (colour light output) and white brightness (white light output) will vary depending on usage conditions. Colour light output measured in accordance with IDMS 15:4; white light output measured in accordance with ISO 21118.

*³ These modes and actual data throughputs depend on supported wireless mode of source devices and/or environmental conditions.

## CO-FH01
**Supplied Accessories**
Power Cable: 1.8m x 1
Remote Control with 2 x AAA Battery
Quick Start Guide

**Optional Accessories**
Document Camera: ELPDC21
Ceiling Mount: ELPMB23
Soft Carrying Bag: ELPKS69
Safety Wire: ELPWR01
Wireless Presentation Systems: ELPWP20
Smart Media Player: ELPAP12

## CO-FH02
**Supplied Accessories**
Power Cable: 1.8m x 1
ELPAP12 Android TV Dongle with USB and HDMI Cable
Remote Control with 2 x AAA Battery
Netflix BT Remote Control with 2 x AAA Battery
Quick Start Guide

**Optional Accessories**
Wireless Presentation Systems: ELPWP20

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# SPECIFICATIONS

| MODEL NUMBER | | EpiqVision Mini EF-11 | EpiqVision Mini EF-12 |
|---|---|---|---|
| Projection Technology | | RGB liquid crystal shutter projection system (3LCD) | |
| **Specifications of Main Parts** | | | |
| LCD | Size | 0.62" | |
| | Native Resolution | Full HD (1080p) | |
| | Aspect Ratio | 16:9 | |
| Projection Lens | Type | Focus (Manual) / No Optical Zoom | Focus (Auto) / No Optical Zoom |
| | F-Number | 2.0 | |
| | Focal Length | 13.90 mm | |
| | Zoom Ratio | 1 – 1.35 (Digital Zoom) | 1.0 – 2.01 (Digital Zoom) |
| | Throw Ratio | 1 (Wide to Tele) | |
| Lightsource | Type | Laser Diode | |
| | Life (Normal / Quiet) | 20,000 hours | |
| **Screen Size (Projected Distance)** | | | |
| Zoom: Wide | | 30" – 150" [0.6 – 3.4 m] | |
| Zoom: Tele | | 20" – 114" [0.6 – 3.4 m] | 15" – 75" [0.6 – 3.4m] |
| Standard | | 60" screen 1.33 m | |
| **Brightness*¹** | | | |
| Colour Light Output | | 1,000 lm | |
| White Light Output (Normal / Eco) | | 1,000 lm / 500 lm | |
| **Contrast Ratio** | | Over 2,500,000:1 | |
| **Internal Speaker(s)** | | | |
| Sound Output | | 1.5W 2 Way [Mono] | 5W [Stereo] Enclosure |
| **Geometric Correction** | | | |
| Vertical / Horizontal Keystone | | ±34° / ±40° | ±34° / ±40° (With Real time Auto keystone Correction) |
| Quick Corner | | Yes | |
| Projection Orientation | | 360˚ Free | |
| **Connectivity** | | | |
| Digital Input | HDMI | 1 (HDCP1.4) | 2 (HDCP2.3) |
| Audio Output | Stereo Mini Jack | 1 (for headphone) | |
| USB I/O | Type A | 1 (for PC Free, Firmware Update, Copy OSD Settings, 5V/2A power supply) | 1 (for USB storage, RJ45, Camera, Mic, HID) |
| | Type B | 1 (for Firmware Update, Copy OSD Settings) | |
| **Wireless Specification (Screen Mirroring)** | | | |
| Supported Speed For Each Mode | | IEEE 802.11g (2.4GHz): 54 Mbps*², IEEE 802.11n (2.4GHz): 130 Mbps*², IEEE 802.11a (5GHz): 54 Mbps*², IEEE 802.11n (5GHz): 270 Mbps*², IEEE 802.11ac (5GHz): 780 Mbps*² | N/A |
| Supported Security Type | | WPA2-PSK (AES) | N/A |
| **Wireless Specification (Streaming Media Player Function)** | | | |
| Supported Standard and Frequency | | N/A | IEEE 802.11a (5GHz), IEEE 802.11b (2.4GHz), IEEE 802.11g (2.4GHz), IEEE 802.11n (2.4GHz and 5GHz), IEEE 802.11ac (5GHz) |
| Supported OS | | N/A | Android OS |
| Supported VOD Platform | | N/A | Android TV |
| Video Output Resolution | | N/A | Up to 1,920 x 1080, 60fps, 4:4:4 |
| **Operating Temperature** | | Low Altitude (0 - 2,286 m / 0 - 7,500 ft): 5 - 35 °C <41 - 95 °F> [20% – 80% Humidity, No Condensation] High Altitude (Over 2,286 m / 7,500 ft): 5 - 30 °C <41 - 86 °F> [20% – 80% Humidity, No Condensation] | |
| **Operating Altitude** | | 0 - 3,000 m <0 - 9,843 ft> | |
| **Start-Up Period** | | Less than 6 seconds. Warm-up period: 30 seconds | |
| **Cool Down Period** | | Instant Off | |
| **Air Filter** | Maintenance Cycle | 5,000 hours*³ | |
| **Power Supply Voltage** | | 100 - 240 V AC ±10%, 50/60 Hz | |
| **Power Consumption (220 - 240V)** | | | |
| Laser Diode ON (Normal / Extended) | | 102W / 73W | |
| Standby (Network / Energy Saving) | | N/A / 0.5 W | 2.0 W / 0.5 W |
| **Dimension Excluding Feet (D X W X H)** | | 175 x 175 x 58 mm | 175 x 175 x 128 mm |
| **Weight** | | Approx. 1.2 kg | Approx. 2.1 kg |
| **Fan Noise (Normal / Eco)** | | 27dB / 22dB | |

*¹ Colour brightness (colour light output) and white brightness (white light output) will vary depending on usage conditions. Colour light output measured in accordance with IDMS 15:4; white light output measured in accordance with ISO 21118.

*² Maximum speed and range is achievable when used with same enhanced mode technology. Actual data rates, features and performance may vary depending on your computer system, the environment and other factors.

*³ When used in the general office environment (the amount of floating dust: 0.04 - 0.2 mg/m³). Based on the Epson's in-house test results.

**Supplied Accessories**
Power Cable: 1m x 1
AC for Power Cable
Remote Control with 2 x AAA Battery
Quick Start Guide

**Optional Accessories**
Mount Plate: ELPMB65
Air Filter: ELPAF61
Streaming Media Dongle: ELPAP12 (EF-11 only)

EF-11

EF-12

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## EH-TW6250

| MODEL NUMBER | | EH-TW6250 |
|---|---|---|
| **Projection Technology** | | RGB liquid crystal shutter projection system |
| **Specifications of Main Parts** | | |
| LCD | Size | 0.61" wide panel (D10, C²Fine, 10Bit) |
| | Native Resolution | Full HD (1080p) |
| Projection Lens | Type | Optical Zoom (Manual) / Focus (Manual) |
| | F-Number | 1.49 – 1.77 |
| | Focal Length | 18.2 – 29.2 mm |
| | Zoom Ratio | 1 – 1.62 |
| | Throw Ratio | 1.32 – 2.15 (Wide – Tele) |
| Lightsource | Type | Lamp: 200W UHE |
| | Lamp Life[1] | Normal: 4,500 / Eco: 7,500 hours |
| **Screen Size (Projected Distance)** | | |
| Zoom: Wide | | 40" to 500" [1.15 to 14.83 m] |
| Zoom: Tele | | 40" to 500" [1.89 to 24 m] |
| Standard Size | | 80" screen 2.34 to 3.81 m |
| **Brightness[2]** | | |
| Colour Light Output | | 2,800 lm |
| White Light Output (Normal / Eco) | | 2,800 lm / 1,900 lm |
| **Contrast Ratio** | | 35,000:1 |
| **Internal Speaker(s)** | | |
| Sound Output | | 10W Monaural |
| **Geometric Correction** | | |
| Vertical / Horizontal Keystone | | ±30° / ±30° |
| Auto Keystone Correction | | Yes (Vertical ±30°, Zoom: Tele) |
| Horizontal Slide Keystone Correction | | Yes |
| Quick Corner | | Yes |
| **Lens Shift Range** | | |
| Lens Shift | | Vertical: ±60% |
| **Connectivity** | | |
| Digital Input | HDMI | 1 (HDCP 2.3) |
| Audio Out | | Stereo Mini Jack x 1 |
| USB Interface | USB Type B | 1 (for Firmware Update and Copy OSD Settings) |
| Wireless | | Yes (only for Smart Media Player) |
| **Wireless Specifications (Smart Media Player Function)** | | |
| **Wireless LAN** | | |
| Wi-Fi Generation | | Wi-Fi 5 |
| Supported Speed For Each Mode | | IEEE 802.11a (5GHz), IEEE 802.11b (2.4GHz), IEEE 802.11g (2.4GHz), IEEE 802.11n (2.4GHz and 5GHz), IEEE 802.11ac (5GHz)[3] |
| **Bluetooth** | | |
| Version | | 5.0 |
| Frequency Used | | 2.4GHz |
| Supported Codec | | SBC |
| Supported OS | | Android OS |
| Supported VOD Platform | | Android TV |
| Video Output Resolution | | Up to 3,840 x 2,160 60fps 4:4:4 |
| **Adjustment Functions** | | |
| Aspect Mode | | Yes (Auto / Normal / Full / Zoom) |
| **Operating Temperature** | | 5 - 35 °C <41 - 95 °F> ( 0m / 0ft - 2,286m / 7,500ft ) |
| | | 5 - 30 °C <41 - 86 °F> (Over 2,286m / 7,500ft ) |
| | | (20% - 80% Humidity, No Condensation) |
| **Operating Altitude** | | 0 m to 3,048 m <0 ft to 10,000 ft> (over 1,500 m / 4,921 ft : with High Altitude mode) |
| **Direct Power On / Off** | | Yes / N/A |
| **Start-Up Period** | | Under 15 seconds |
| | | Warm-up period: 30 seconds |
| **Cool Down Period** | | Under 5 seconds |
| **Power Supply Voltage** | | 100 - 240 V AC ±10%, 50/60 Hz |
| **Power Consumption (220 - 240V)** | | |
| Lamp On (Normal / Quiet, Extended) | | 301W / 231W |
| Energy Saving | | 0.3W |
| **Dimension Excluding Feet (D X W X H)** | | 275 x 333 x 123 mm |
| **Weight** | | Approx. 4.1kg |
| **Fan Noise (Normal / Eco)** | | 36dB / 28dB |

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

[2] Colour brightness (colour light output) and white brightness (white light output) will vary depending on usage conditions. Colour light output measured in accordance with IDMS 15:4; white light output measured in accordance with ISO 21118.

[3] These modes and actual data throughputs depend on supported wireless mode of source devices and/or environmental conditions.

### Supplied Accessories
Power Cable: 3m x 1 (Black)
Remote Control with 2 x AAA Battery
Interface Cover
Bluetooth Remote Control for SMP with 2 x AAA Battery
User Guide
ELPAP12 Android TV Dongle with USB and HDMI Cable

### Optional Accessories
Spare Lamp: ELPLP97
Air Filter: ELPAF54
Ceiling Mount (White Colour): ELPMB23
Safety Wire: ELPWR01

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## EH-TW7000

| MODEL NUMBER | | EH-TW7000 |
|---|---|---|
| **Projection Technology** | | RGB liquid crystal shutter projection system (3LCD) |
| **Specifications of Main Parts** | | |
| LCD | Size | 0.61" wide panel (C²Fine, 10 Bit) |
| | Native Resolution | Full HD (1080p) |
| Resolution On-Screen (Maximum) | | |
| | Resolution | 4K[1] |
| | Pixel Number | 4.2M Dots (1920 x 1080 x 2) |
| Projection Lens | | |
| | Type | Optical Zoom (Manual) / Focus (Manual) |
| | F-Number | 1.49 – 1.77 |
| | Focal Length | 18.2 – 29.2 mm |
| | Zoom Ratio | 1 – 1.62 |
| | Throw Ratio (Wide – Tele) | 1.32 – 2.15 |
| Lightsource | Type | Lamp: 250W UHE |
| | Lamp Life[2] | High: 3,500 / Medium: 4,000 / Eco: 5,000 hours |
| **Screen Size (Projected Distance)** | | |
| Zoom: Wide | | 40" to 500" [1.16 to 14.87 m] |
| Zoom: Tele | | 40" to 500" [1.89 to 24.01 m] |
| Standard Size | | 100" screen 2.95 to 4.77 m |
| **Brightness[3]** | | |
| Colour Light Output | | 3,000 lm |
| White Light Output (Normal / Eco) | | 3,000 lm / 2,000 lm |
| **Contrast Ratio** | | 40,000:1 |
| **Geometric Correction** | | |
| Vertical / Horizontal Keystone | | ±30° / ±30° |
| **Image Enhancement** | | |
| 4K Enhancement | | Yes (On/Off) |
| Picture In Picture | | N/A |
| Aspect Mode | | Yes (Auto / Normal / Full / Zoom) |
| Frame Interpolation | | Off / Low / Normal / High (2D and 3D Mode) |
| Image Preset Mode | | Yes |
| MPEG Noise Reduction | | Yes |
| Super Resolution | | Yes |
| Detail Enhancement | | Yes |
| **3D Features** | | |
| 3D Display | | Yes |
| 2D – 3D Conversion | | N/A |
| 3D Format | | Side by Side / Top and Bottom |
| 3D Depth | | -10 to +10 |
| **Connectivity** | | |
| Analog Input | D-Sub 15Pin | N/A |
| | 5BNC | N/A |
| Digital Input | DVI-D | N/A |
| | HDMI | 2 (HDCP 2.2) |
| Output Terminal | D-Sub 15Pin | N/A |
| Audio Input | Stereo Mini Jack | N/A |
| Audio Output | Stereo Mini Jack | 1 |
| Others | USB Type A | 2 |
| | | (Port1: Wireless LAN, Firmware Update, Copy OSD Settings) |
| | | (Port 2: for Streaming Media Player with 2,000 mA Power Supply) |
| Control I/O | USB Type Mini-B | 1 (for Service, Firmware Update) |
| | RS-232C | N/A |
| | Remote Control Input | NA |
| Network | Wired LAN | N/A |
| | Wireless | Optional (ELPAP10) |
| **Wireless Specification** | | |
| Supported Connection Mode | | Infrastructure, Access Point |
| Supported Speed For Each Mode | | IEEE 802.11b (2.4GHz): 11 Mbps[4], |
| | | IEEE 802.11g (2.4GHz): 54 Mbps[4], |
| | | IEEE 802.11n (2.4GHz): 130.0 Mbps[4], |
| Wireless LAN Security | | Quick Mode: WPA2-PSK |
| | | Advanced Mode: WPA/WPA2-PSK |
| **Operating Temperature** | | 5 - 35 °C <41 - 95 °F> (0m / 0ft – 2,286m / 7,500ft) |
| | | 5 - 30 °C <41 - 86 °F> (Over 2,286m / 7,500ft) |
| | | (20% - 80% Humidity, No Condensation) |
| **Operating Altitude** | | 0 m to 3,048 m <0 ft to 10,000 ft> |
| **Direct Power On / Off** | | Yes / N/A |
| **Start-Up Period** | | Up to 19 seconds, Warm-up Period: 30 seconds |
| **Cool Down Period** | | Up to 7 seconds |
| **Power Supply Voltage** | | 100 - 240 V AC ±10%, 50/60 Hz |
| **Power Consumption (220 - 240V)** | | |
| Lamp (Normal / Eco) | | 368W / 280W |
| Standby (Network On / Off) | | 2.0W (Optional Wireless LAN) / 0.5 W |
| **Dimension Excluding Feet (D X W X H)** | | 310 x 410 x 157 mm |
| **Weight (Including Standard Lens)** | | Approx. 6.6 kg |
| **Fan Noise (Normal / Eco)** | | 35dB / 24dB |

[1] Pixel shift tehcnology.

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

[3] Colour brightness (colour light output) and white brightness (white light output) will vary depending on usage conditions. Colour light output measured in accordance with IDMS 15:4; white light output measured in accordance with ISO 21118.

[4] These modes and actual data throughputs depend on supported wireless mode of source devices and/or environmental conditions.

### Supplied Accessories
Power Cable: 3m x 1
Remote Control with 2 x AA Battery
User Manual CDROM
Quick Start Guide

### Optional Accessories
Spare Lamp: ELPLP85
Air Filter: ELPAF39
Wireless LAN unit: ELPAP10
Ceiling Mount: ELPLMB22

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| MODEL NUMBER | | EpiqVision Ultra EH-LS300B | EpiqVision Ultra EH-LS800B |
|---|---|---|---|
| **Projection Technology** | | RGB liquid crystal shutter projection system (3LCD) | |
| **Specifications of Main Parts** | | | |
| LCD | Size | 0.61" (C² Fine) | 0.62" (C² Fine) |
| | Native Resolution | 1080p | |
| | Aspect Ratio | 16:9 | |
| Resolution On-Screen (Maximum) | | | |
| | Resolution | 1080p | 4K*¹ |
| | Pixel Number | 2M Dots (1920 x 1080) | 4.2M Dots (1920 x 1080 x 2) |
| Projection Lens | | | |
| | Type | No Optical Zoom / Focus (Manual) | |
| | F-Number | 1.6 | 1.8 |
| | Focal Length | 3.7 mm | 2.3 mm |
| | Zoom Ratio | 1.0 – 2.0 (Digital Zoom) | 1 – 2.5 (Digital Zoom) |
| | Throw Ratio (Wide – Tele) | 0.26 – 0.52 | 0.16 – 0.40 |
| Lightsource | Type | Laser Diode | |
| | Life | 20,000 hours (Normal / Quiet) | 20,000 hours (Normal / Eco) |
| **Screen Size (Projected Distance)** | | | |
| Zoom: Wide | | 61" to 120" [0.349 to 0.703 m] | 80" to 150" [0.28 to 0.54 m] |
| Zoom: Tele | | 31" to 60" [0.349 to 0.703m] | 32" to 60" [0.28 to 0.54 m] |
| Standard Size | | 75.9" screen 0.443 m | 90" screen 0.32 m |
| **Brightness*²** | | | |
| Colour Light Output | | 3,600 lm | 4,000 lm |
| White Light Output (Normal / Eco) | | 3,600 lm / 1,800 lm | 4,000 lm / 2,000 lm |
| **Contrast Ratio** | | Over 2,500,000:1 | |
| **Internal Speakers** | | | |
| Sound Output | | 20W (YAMAHA 2.1ch Satellite x2, Woofer x1) | |
| **Image Enhancement** | | | |
| 4K Enhancement | | N/A | Yes (On/Off) |
| Aspect Mode | | Yes (Auto / Normal / Full / Zoom) | Yes (Auto / Full / Zoom) |
| Frame Interpolation | | N/A | Yes (Off / Low / Normal / High) |
| Image Preset Mode | | N/A | Yes |
| Noise Reduction | | Yes | Yes (Except 4K Signal) |
| Detail Enhancement | | Yes | N/A |
| Super Resolution | | N/A | Yes |
| **Connectivity** | | | |
| Digital Input | HDMI | 2 (SMF, HDMI2=ARC) | 3 (HDCP 2.3) |
| Audio Output | | 1 (S/PDIF) | 1 (Stereo Mini), 1 (S/PDIF) |
| Others | USB Type A | Yes (fFor USB Storage, RJ45, Camera, Mic, HID) | 3 (for USB Storage, RJ45, Camera, Mic, HID) USB3 is for 5V/2A Power Supply, No USB Function |
| | USB Type Mini-B | 1 (for Firmware Update) | |
| Control I/O | RS-232C | N/A | N/A |
| Network | Wired LAN | N/A | N/A |
| | Wireless | Yes (Only for Smart Media Player) | |
| **Wireless Specification (Smart Media Player Function)** | | | |
| Wireless LAN | | Wi-Fi 5 | |
| Supported Speed For Each Mode | | IEEE 802.11a (5GHz)*³, IEEE 802.11b (2.4GHz)*³, IEEE 802.11g (2.4GHz)*³, IEEE 802.11n (2.4GHz and 5GHz)*³, IEEE 802.11ac (5GHz)*³ | |
| Bluetooth | | Bluetooth 5.1 Class1 (2.4GHz) | Bluetooth 5.0 Class 2 (2.4GHz) |
| Supported OS | | Android OS | |
| Supported VOD Platform | | Android TV | |
| Video Output Resolution | | Up to 1,920 x 1,080 60fps at 4:4:4 | Up to 3,840 x 2,160 60fps at 4:2:0 |
| **Operating Temperature** | | 5 - 35 °C <41 - 95 °F> (0m / 0ft – 2,286m / 7,500ft) 5 - 30 °C <41 - 86 °F> (Over 2,286m / 7,500ft) (20% - 80% Humidity, No Condensation) | 0 - 40 °C <32 - 104 °F> (0m / 0ft – 2,286m / 7,500ft) 0 - 35 °C <32 - 95 °F> (Over 2,286m / 7,500ft) (20% - 80% Humidity, No Condensation) |
| **Operating Altitude** | | 0 m to 3,048 m <0 ft to 10,000 ft> Over 1,500m / 4,921 ft, with High Altitude mode | |
| **Start-Up Period** | | Less than 6 seconds | Less than 8 seconds, Warm-up period: 30 seconds |
| **Cool Down Period** | | Instant Off | |
| **Power Supply Voltage** | | 100 - 240 V AC ±10%, 50/60 Hz | |
| **Power Consumption (220 - 240V)** | | | |
| Lamp On (Normal / Quiet, Extended) | | 278W / 179W | 335W / 210W |
| Standby (Network On / Off) | | 2.0W / 0.5 W | 2.0W / 0.4 W |
| **Dimension Excluding Feet (D X W X H)** | | 400 x 467 x 133 mm | 341 x 695 x 145 mm |
| **Weight (Including Standard Lens)** | | Approx. 7.2 kg | Approx. 12.3 kg |
| **Fan Noise (Normal / Eco)** | | 37dB / 23dB | 32dB / 19dB |

*¹ Pixel shift technology.

*² Colour brightness (colour light output) and white brightness (white light output) will vary depending on usage conditions. Colour light output measured in accordance with IDMS 15:4; white light output measured in accordance with ISO 21118.

*³ These modes and actual data throughputs depend on supported wireless mode of source devices and/or environmental conditions.

**EpiqVision Ultra EH-LS300B**
**Supplied Accessories**
Power Cable: 1.8m x 1
Remote Control with 2 x AAA Battery
Quick Start Guide

**Optional Accessories**
Air Filter: ELPAF60
100" ALR Screen: ELPSC35

**EpiqVision Ultra EH-LS800B**
**Supplied Accessories**
Power Cable: 1.8m x 3 (Black or White)
Remote Control with 2 x AAA Battery
User Guide Kit

**Optional Accessories**
Air Filter: ELPAF64
Wireless LAN: ELPAP12
100" ALR Screen: ELPSC35
Ceiling Mount: ELPMB22
Safety Wire: ELPWR01

Dealer's Stamp

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| MODEL NUMBER | | EH-TW9400 | EH-LS12000B |
|---|---|---|---|
| **Projection Technology** | | RGB liquid crystal shutter projection system | |
| **Specifications of Main Parts** | | | |
| LCD | Size | 0.74" wide panel with MLA (C² Fine, 12 bit, OD) | 0.74" wide panel with SMLA (C2Fine, 12bit, OD) |
| | Native Resolution | 1080p | |
| Resolution On-Screen (Maximum) | | | |
| | Resolution | 4K*¹ | 4K*¹ |
| | Pixel Number | 4.2M Dots (1920 x 1080 x 2) | 8.3M Dots (1920 x 1080 x 4) |
| Projection Lens | Type | Power Zoom, Power Focus | |
| | F-Number | 2.0 – 3.0 | |
| | Focal Length | 22.5 – 46.7 mm | |
| | Zoom Ratio | 1 – 2.1 | |
| | Throw Ratio | 1.35 – 2.84 | |
| Lightsource | Type | Lamp: 250W UHE | Laser Diode: 198W |
| | Life | Lamp*²: High: 3,500 / Medium: 4,000 / Eco: 5,000 hours | Laser Life: 20,000 hours (Normal / ECO) |
| **Screen Size (Projected Distance)** | | | |
| Zoom: Wide | | 50" to 300" [1.48 to 9.08 m] | |
| Zoom: Tele | | 50" to 300" [3.13 to 18.99 m] | |
| Standard Size | | 100" screen 3.00 to 6.30 m | |
| **Brightness*³** | | | |
| Colour Light Output | | 2,600 lm | 2,700 lm |
| White Light Output (Normal / Eco) | | 2,600 lm / 640 lm | 2,700 lm / 1,000 lm |
| **Contrast Ratio** | | 1,200,000:1 | Over 2,500,000:1 |
| **Geometric Correction** | | | |
| Vertical Keystone | | ±30 degrees | |
| **Lens Shift Range** | | | |
| Vertical Lens Shift | | ±96.3 % (H Center, Powered) | |
| Horizontal Lens Shift | | ±47.1 % (V Center, Powered) | |
| **Connectivity** | | | |
| Analog Input | D-Sub 15Pin | 1 (Blue) | N/A |
| Digital Input | HDMI | 2 (HDCP 2.2) | 2 (HDCP2.3; HDMI2: eARC/ARC) |
| USB Interface | USB Type A | 2 (Right USB: Wireless LAN, Firmware Update, Copy OSD Settings) (Left USB: Opt. HDMI cable with 300mA power supply) | 2 (1: Firmware Update, Copy OSD Settings, Save Log or 5V/2A Power Supply; 2: For Opt HDMI and 5V/300mA Power Supply) |
| | USB Type Mini-B | 1 (for Service and Firmware Update) | 1 (for Firmware Update, Copy OSD Settings) |
| Control I/O | RS-232C | D-Sub 9pin x 1 | |
| | Trigger Out (12V) | 3.5mm Mini Jack x 1 | |
| Network | Wired LAN | RJ45 x 1 | |
| | Wireless | Optional (ELPAP10) | N/A |
| **Wireless Specifications (Wireless LAN)** | | | |
| Supported Speed For Each Mode | | IEEE 802.11b (2.4GHz): 11 Mbps*⁴, IEEE 802.11g (2.4GHz): 54 Mbps*⁴, IEEE 802.11n (2.4GHz): 130 Mbps*⁴, | N/A |
| Supported Connection Mode | | Infrastructure, Access Point | N/A |
| Wireless LAN Security | | Quick Mode: OPEN, WPA2-PSK Advanced Mode: OPEN, WPA/WPA2-PSK | N/A |
| **Adjustment Functions** | | | |
| High Dynamic Range | | HDR10 | Yes (HDR10, HDR10+)*⁵ |
| Aspect Mode | | Yes (Auto / Normal / Full / Zoom / Anamorphic Wide / Horiz. Squeeze) | Yes (Auto / Full / Zoom / Anamorphic Wide / Horiz. Squeeze) |
| Frame Interpolation | | Yes | |
| Auto Contrast Enhancement | | N/A | Yes |
| Scene Adaptive Gamma | | N/A | Yes |
| **Image Enhancement** | | | |
| Image Preset Mode | | Yes (Off / Preset1 / Preset2 / Preset3 / Preset4 / Preset5) | |
| MPEG Noise Reduction | | Yes | |
| Super Resolution | | Yes (Fine line adjust / Soft focus detail) | |
| Detail Enhancement | | Yes (Range / Strength) | |
| **3D Features** | | | |
| 3D Display | | Yes (Auto / 3D / 2D) | N/A |
| 3D Format | | Side by Side / Top and Bottom | N/A |
| 3D Depth | | -10 to +10 | N/A |
| **Operating Temperature** | | 5 - 35 °C <41 - 95 °F> (0m / 0ft – 2,286m / 7,500ft) 5 - 30 °C <41 - 86 °F> (Over 2,286m / 7,500ft) 20% - 80% Humidity, No Condensation | |
| **Operating Altitude** | | 0 m to 3,048 m <0 ft to 10,000 ft> (over 1,500 m / 4,921 ft : with High altitude mode) | |
| **Direct Power On / Off** | | Yes / NA | |
| **Start-Up Period** | | 19 seconds Warm-up period: 30 seconds | Less than 8 seconds Warm-up period: 30 seconds |
| **Cool Down Period** | | 16 seconds | Instant Off |
| **Power Supply Voltage** | | 100 - 240 V AC +/- 10%, 50/60 Hz | |
| **Power Consumption (220 - 240V)** | | | |
| Lamp/LD On (Normal / Eco) | | 355W / 271W | 302W / 198W |
| Standby (Network On / Off) | | 2W / 0.3W | 2W / 0.4W |
| **Dimension Excluding Feet (D X W X H)** | | 450 x 520 x 170 mm | 447 x 520 x 169 mm |
| **Weight** | | Approx. 11.2 kg | Approx. 12.7 kg |
| **Fan Noise (Normal / Eco)** | | 31 dB / 20dB | 30 dB / 22dB |

*¹ Pixel shift technology.

*² Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time.

*³ Colour brightness (colour light output) and white brightness (white light output) will vary depending on usage conditions. Colour light output measured in accordance with IDMS 15:4; white light output measured in accordance with ISO 21118.

*⁴ These modes and actual data throughputs depend on supported wireless mode of source devices and/or environmental conditions.

*⁵ Certified Conditions (HDR10+): Projection Size: 80 inch, Color Mode: Natural, HDR10/HDR10+ Setting: 3.

**EH-TW9400**
**Supplied Accessories**
Power Cable: 3m x 1
Remote Control with 2 x AA Battery
HDMI Cable Clamp: 2

**Optional Accessories**
Spare Lamp: ELPLP89
Air Filter: ELPAF39
Wireless LAN Unit: ELPAP10
Ceiling Mount: ELPMB22
Cable Cover: ELPCC05W, ELPCC05B

**EH-LS12000B**
**Supplied Accessories**
Power Cable: 3m x 1
Remote Control with 2 x AA Battery
Cable Cover

**Optional Accessories**
Air Filter: ELPAF62
Ceiling Mount: ELPMB22
Streaming Media Dongle: ELPAP12

Dealer's Stamp

Information correct at time of printing.
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