

# Home Cinema 5050UB 4K PRO-UHD Projector with Advanced 3-Chip Design and HDR10

Contact Us 800.463.7766

Mon-Fri 7am-4pm PT

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## The ultimate 4K experience for the DIY home theatre.

The Epson® Home Cinema 5050UB 4K PRO-UHD<sup>1</sup> projector delivers an amazing 4K home theatre experience for the DIY enthusiast. Capable of displaying an astonishing 2,600 lumens for both colour and white brightness<sup>2</sup> – along with proprietary processors for resolution enhancement, colour and image processing – the Home Cinema 5050UB produces incredible brightness, colour accuracy and image detail to faithfully display all your favorite content the way it was meant to be seen. If you're looking for an amazing 4K projection experience to power your new home theatre build – this could be it. **Now that's Projection Perfected.**

**Model:** V11H930020-F



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### 4K PRO-UHD<sup>1</sup>

#### Projection Technology

A new type of 4K home theatre experience utilizing advanced processing for resolution enhancement, colour and image processing – resulting in an exceptional 4K home theatre experience

### True 3-Chip Projector Design

Advanced 3LCD technology displays 100% of the RGB colour signal for every frame. This allows for an outstanding colour gamut while maintaining excellent brightness, without any “rainbowing” or “colour brightness” issues some may see with other projector technologies

### Pixel-Shift Processor

Advanced pixel-shifting processor precisely controls three high-definition LCD chips to parallel process millions of pixels of information. This new type of resolution enhancement technology<sup>1</sup> results in an exceptionally sharp 4K visual experience

### HDR Processor

Full 10-bit HDR<sup>3</sup> color processing accepting 100% of the HDR source information to faithfully reproduce HDR content for an exceptional visual performance

### Digital Imaging Processor

Realtime 12-bit analog-to-digital video processing for smooth tonal transitions, while helping to eliminate banding, blocking and other compression artifacts from the final visual performance. This powerful processor faithfully reproduces the source material the way it was intended to be shown

### Outstanding Brightness

Capable of displaying 4K content at an incredible 2,600 lumens for both colour and white brightness<sup>2</sup>. This not only provides for a wider performance envelope but allows for an exceptional HDR performance

- **Epson UltraBlack™ Technology** — Epson created a Proprietary Compensation Filter that controls the polarization of light itself. This allows Epson to suppress any stray light within the signal, producing an outstanding Dynamic Contrast ratio of 1,000,000:1.
- **Precision HDR Adjustment** — Realtime HDR curve adjustment allowing for 16-steps of control to fine-tune the HDR performance – regardless of the content being displayed.
- **Extreme Colour Gamut** — One of the first commercially available home theatre projectors capable of displaying the full three-dimensional DCI-P3<sup>4</sup> colour space. This extreme colour performance is 50% wider than typical 1-Chip Rec. 709 projectors and allows for a truly professional-level of colour accuracy.
- **Epson Precision Lens Technology** — Designed for zero-light-leakage, all Epson Precision Lenses utilize a proprietary 15-element precision glass structure for outstanding image clarity and edge-to-edge focus uniformity.

## Eco Features

- RoHS compliant
- Recyclable product<sup>5</sup>
- Epson America, Inc. is a SmartWay™ Transport Partner<sup>6</sup>

For more information on Epson's environmental programs, go to [www.epson.ca/environment](http://www.epson.ca/environment)

## IMPORTANT SAFETY INFORMATION ABOUT USAGE ENVIRONMENTS FOR MOUNTED PROJECTORS ►

### What's In The Box:

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- Home Cinema 5050UB Projector
- Power cord
- Two HDMI cable clamps
- Remote control with (2) AA batteries
- Quick Setup Guide

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### Specifications



### Specifications Projector:

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**Projection System:**

Epson 3LCD, 3-chip optical engine

**Projection Method:**

Front / Rear / Ceiling mount

**Driving Method:**

Poly-silicon TFT Active Matrix, 0.74"-wide panel

**Colour Brightness - Colour Light Output:**

2600 lumens<sup>2</sup>

**White Brightness - White Light Output:**

2600 lumens<sup>2</sup>

**Aspect Ratio:**

16:9 widescreen (4:3 resize, 16:10 resize)

Compatible with 4:3 with Normal, Full or Zoom Modes

**Resolution:**

4K Enhancement<sup>1</sup> (1920 x 1080 x 2)

**Maximum Resolution:**

4096 x 2160

**Supported Resolution:**

3840 x 2160, Full HD 1080p/i, HD 720p, 576p/i, 480p/i

**Lamp Type:**

250 W UHE

**Lamp Life:**

Up to 5,000 hours (ECO Mode); up to 4,000 hours (Medium Mode); up to 3,500 hours (High Mode)<sup>7</sup>

**Size - projected distance:**

50" – 300" (Zoom: Wide and Zoom: Tele)

**Keystone Correction:**

Vertical:  $\pm 30$  degrees (Manual)

**Contrast Ratio:**

Up to 1,000,000:1, Auto Iris on

**White Balance:**

8-point adjustment

**Colour Processing:**

Full 10-bit (partial 12-bit)

**Colour Reproduction:**

Full-colour (up to 1.07 billion colours)

**Projected Output:**

HD, 2D, 3D, 1080p, 4K x 2K

**General:**

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**Operating Temperature:**

41 ° to 95 °F (5 ° to 35 °C)

**Weight:**

24.7 lb

**Security:**

Kensington Security Lock Port

**Projection Lens:**

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**Type:**

Powered focus/optical zoom/lens position

**F-number:**

2.0 – 3.0

**Focal Length:**

22.5 mm – 46.7 mm

**Zoom Ratio:**

1.0 – 2.1

**Throw Ratio Range:**

1.35 – 2.84

**Lens Shift:**

- Vertical:  $\pm 96.3$ (H center, powered)
- Horizontal:  $\pm 47.1$ (V center, powered)

**Lens Cover:**

Powered, Slide Lens Shutter

**Other Home Projector:**

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**Cinema Filter:**

Automatically adjusts to colour mode;  
(On: Cinema, Digital Cinema)

Off: Natural, Black & White Cinema, Bright Cinema, Dynamic, 3D Dynamic, 3D Cinema)

**Auto Iris:**

Automatically adjusts to video source;

Off/On: High-speed or Normal, 2D and 3D mode

**Super Resolution:**

2D and 3D

**Frame Interpolation:**

1080p @24 Hz

**Terminal Inputs:**

- 2x HDMI (HDCP 2.2)
- 1x USB Type A (for optical HDMI cable 300 mA max. power supply only)
- 1x USB (for wireless and firmware)
- 1x Mini USB (service only)
- 1x LAN (RJ45)
- 1x Computer/D-sub 15 pin
- 1x RS-232c
- Trigger out 12 V DC, 200 mA maximum

**Computer Compatibility:**

PC, Mac®

## Parental Controls:

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**Power Button Lock:**

Hinders projector from being turned on without parental supervision

## Projector Details:

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**Display Performance:**

4K/UHD @ 60 Hz compatible, HDR10<sup>3</sup>, 3-dimensional DCI-P3 color Gamut<sup>4</sup>, 4Ke<sup>1</sup>, 1080p; HD, 2D, 3D

**Colour Modes:**

- 2D: Dynamic, Bright Cinema, Natural, Cinema, Digital Cinema, Black & White Cinema
- 3D: Dynamic, Cinema

**Input Signal:**

- Composite: 480i , 576i, 480p, 576p, 720p, 1080i, 1080p, 4K x 2K
- HDMI: TMDS

**Fan Noise:**

20 dB – 31 dB

## Projector Dimensions:

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**Including feet:**

20.5" x 17.7" x 7.6" (W x D x H)

## Remote Control:

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**Features:**

Front and rear directional

**Operating Distance:**

32 feet (10 meters)

**Operating Angle:**

Front: Right/Left:  $\pm 30$  degrees, Upper/Lower:  $\pm 30$  degrees

Rear: Right/Left:  $\pm 30$  degrees, Upper/Lower:  $+ 10 - + 70$  degrees

**Power:**

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**Power Supply Voltage:**

100–240V AC  $\pm 10\%$ , 50/60 Hz

**Power Consumption:**

ECO Mode: 283 W; Normal Mode: 373 W

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