

Pro Cinema 6050UB



The ultimate 4K PRO-UHD¹ experience for the professionally installed home theater

Overview

- **4K PRO-UHD¹ Projection Technology:** a new type of 4K home theater experience utilizing advanced processing for resolution enhancement, color and image processing.
- **3-Chip Projector Design:** advanced 3LCD technology displays 100% of the RGB color signal for every frame. This allows for an outstanding color gamut while maintaining excellent brightness, without any “rainbowing” or “color 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 technology¹ results in an exceptionally sharp 4K visual experience.
- **HDR Processor²:** full 10-bit HDR² color processing accepting 100% of the HDR source information to faithfully reproduce HDR content for an exceptional visual performance.

The Pro Cinema 6050UB represents Epson’s most advanced home theater experience to date. Its powerful ZX digital imaging processor for smooth tonal transitions, also eliminates 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 seen.

Capable of displaying 4K content at an incredible 2.600 lumens for both color and white brightness⁷, the Pro Cinema 6050UB is also equipped with UltraBlack™, a proprietary compensation filter designed to control the polarization of light. This allows you to suppress any stray light within the signal, producing an outstanding dynamic contrast ratio of 1.200.000:1.



Pro Cinema 6050UB Projector



Technical Specifications

Home Cinema 6050UB	V11H928020
Projection system	Epson 3LCD
Chip design	3-chip
Projection method	Front/Rear/Ceiling mount
Product color	Black
Driving method	Poly-silicon TFT Active Matrix, 0,74"-wide panel
Resolution	4K Enhancement1 (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
Aspect ratio	16:9 widescreen (4:3 resize, 16:10 resize) Compatible with 4:3 with normal, full or zoom modes. Modes (anamorphic wide and horizontal squeeze require an anamorphic lens kit, sold separately)
Color brightness ⁷	2.600 lumens
White brightness ⁷	2.600 lumens
Contrast ratio	Up to 1.200.000:1
Color reproduction	Full-color (up to 1.07 billion colors)
Throw ratio range	1,35 – 2,84
Color processing	Full 10-bit (partial 12-bit)
Size (projected length)	50" - 300" (1,48 - 18,99 mts)
Lamp type	250 W UHE
Lamp life ⁵	ECO mode: up to 5.000 hours Normal mode: up to 4.000 hours High mode: up to 3.500 hours

Projection lens	
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
Lens shift	Vertical ±96,3 Horizontal ±47,1

Lens Cover	Powered, slide lens shutter
Additional information	
Display Performance	4K/UHD @ 60 Hz compatible, HDR102, 3-dimensional DCI-P3 color gamut ⁴ , 4Ke ¹ , 1080p; HD, 2D, 3D

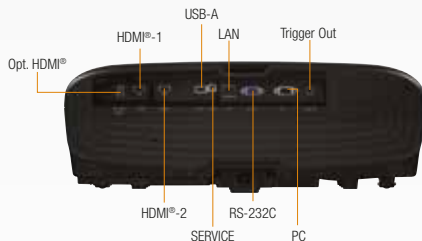
Color modes	2D: Dynamic, Bright Cinema, Natural, Cinema, Digital Cinema, Black & White Cinema 3D: Dynamic, Cinema
Cinema filter	Automatically adjusts to color mode; (On: Cinema, Digital Cinema Off: Natural, Black & White Cinema, Bright Cinema, Dynamic, 3D Dynamic, 3D Cinema)
Auto iris in 2D and 3D	Automatically adjusts to video source; Off/On: High-speed or Normal, 2D and 3D mode
Super resolution	2D and 3D
Operating temperature	41 °F to 95 °F (5 °C to 35 °C)
Voltage	100 VCA - 240 VCA ± 10%, 50 Hz - 60 Hz
Power consumption	100 V - 120 V: 373 W (normal mode) - 283 W (Eco mode) 220 V - 240 V: 355 W (normal mode) - 271 W (Eco mode)
Fan noise	20 dB – 31 dB
Security	Kensington® Security Lock Port

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

What's in the box?	
Pro Cinema 6050UB projector, Ceiling mount, Cable cover, Power cord, Two HDMI® cable clamps, Remote control with AA batteries, Quick Setup Guide	

Product setup	
Pro Cinema 6050UB	V11H928020
Replacement projector lamp	V13H010L89
Replacement air filter	V13H134A39

1- 4K Enhancement technology shifts each pixel diagonally to double the Full HD resolution. Resolution is Full HD in 3D mode. **2-** HDR performance available with select third-party devices. For more information visit www.epson.com/hdrcompatibility **3-** Color Brightness measured per IDMS 15.4. Additional colors and picture modes tested. Top-selling Epson 3LCD projectors vs. comparable top-selling 1-chip DLP projectors based on NPD sales data for U.S. and Canada, May 2017 – April 2018. COLOR BRIGHTNESS WILL VARY BASED ON USAGE CONDITIONS. Measurements taken in a dark room to eliminate measurement of ambient light. Supported with perceptual testing in a variety of lighting conditions. **4-** The Entire DCI-P3 color space can be displayed in digital cinema mode only. **5-** Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time. **6-** Visit <https://latin.epson.com/medio-ambiente> to obtain Information about convenient and reasonable recycling options. **7-** Color brightness (color light output) and white brightness (white light output) will vary depending on usage conditions. Color light output measured in accordance with IDMS 15.4; white light output measured in accordance with ISO 21118.



Environmentally Friendly Features⁶

- Energy-saving 3LCD chips
- Low energy usage 0.3 W in standby mode
- Recyclable product⁶
- RoHS compliant



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To obtain more information about Epson's environmentally friendly programs, visit eco.epson.com

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