

# EB-PQ2010B

10,000-Lumen 4K 3LCD Laser Projector



Product shown with lens.  
Lens sold separately.

**The world's smallest and lightest 10,000-lumen 4K projector<sup>1</sup>.**



Epson  
**PRO**  
Series

**The world's smallest and lightest 10,000-lumen 4K projector<sup>1</sup>:** produces incredibly bright images with a light, compact and energy efficient design

**Incredible color:** Epson 3-chip 3LCD technology produces 10,000 lumens of equal white and color brightness<sup>2</sup>

**4K resolution on-screen:** leverages Epson's 4K Crystal Motion technology, thermo-controlled panel and double micro-lens array for crystal clear image quality that fully realizes 4K resolution (3840 x 2160)

**Low-maintenance design:** virtually maintenance-free 20,000-hour laser light source and air filter<sup>3</sup>; optional external air filter is available for high-dust environments

**Stunning image quality:** high native contrast ratio for deep blacks; 50% improvement over the already high contrast ratio found with the current Epson EB-PU Series; frame interpolation for fast moving objects; HDR support<sup>4</sup> and scene adaptive gamma correction

**Simplified installation:** 10 optional powered lenses (sold separately) including ultra short throw 0,35 throw lens with a unique zero offset design for installation flexibility; projector compatible with existing Epson lens family

**Enhanced connectivity:** HDMI® two in and one out; 12G-SDI in/out for daisy chaining and signal monitoring; features automatic input switching when input signal is disrupted

**Low latency performance and high frame rate support:** high-speed graphics chip and panel drive technology enable high frame rate 4K playback

**Optional attachable PixAlign™ external camera:** access powerful automated tools including edge blending assist<sup>5</sup>, stacking assist function<sup>5</sup>, auto color calibration<sup>6</sup> and screen matching<sup>6</sup> with or without a connected PC and router

**Efficient setup and management:** control multiple projectors in a single, large space with Epson Projector Professional Tool (EPPT app)<sup>7</sup>; easily manage your installed inventory using Epson Projector Management – Connected (EPM-C)<sup>8</sup> from any device with a Web browser

Specifications

**Projection System** High-aperture Epson 3-chip 3LCD technology  
**Projection Method** Front/rear/ceiling mount  
**Driving Method** Poly-Silicon TFT Active Matrix  
**Pixel Number** 2,073,600 pixels (1920 x 1080) x 3 chips  
**Signal Input** Maximum Display Resolution: 4096 x 2160 pixels (resizing display)  
**Native Resolution** 1080p with 4K Crystal Motion (1920 x 1080 x 4)  
**Resolution on Screen** 4K UHD (3840 x 2160)  
**Aspect Ratio Supports** 4:3, 16:10, 16:9\*, 21:9\*  
\*With vertical image shift control within letterbox area.  
**Pixel Arrangement** Cross stripe  
**Color Brightness<sup>2</sup>** Color Light Output: 10,000 lumens  
**White Brightness<sup>2</sup>** White Light Output: 10,000 lumens  
**Contrast Ratio** Up to 5,000,000:1 (Dynamic Contrast: On)  
**Brightness Uniformity** (Typical) 85%  
**Color Reproduction** Up to 1.07 billion colors  
**Keystone Correction**  
Vertical: ±45 degrees;  
Horizontal: ±30 degrees  
**Illumination Technology** Laser Phosphor  
**Light Source Life<sup>3</sup>**  
20,000 hours (Normal Mode)  
30,000 hours (Extended Mode)

Projection Lens (Standard)

Visit [www.epson.com](http://www.epson.com) for information on optional lenses.  
**Standard Lens** ELPLM15 (sold separately)  
**Type** Powered shift/focus/zoom  
**F-Number** 1.8 – 2.3  
**Focal Length** 36.0 mm – 57.3 mm  
**Zoom Ratio** Optical Zoom: 1.0 – 1.6  
**Throw Ratio Range** 1.52 – 2.47  
**Lens Shift** Vertical: ±64%; Horizontal: ±16%

Other Features

**Operating Temperature** 32 °F to 122 °F (0 °C to 50 °C)  
**Power Supply Voltage** 100 V – 240 V ±10%, 50/60 Hz AC  
**Power Consumption**  
640 W (Normal/Custom)  
501 W (Quiet/Extended)  
2.0 W Standby (Network Standby)  
0.5 W Standby (Energy Saving)  
**Fan Noise** 39 dB (Normal Mode), 29 dB (Eco Mode)  
**Security** Security cable hole, lens lock, Kensington® lock provision, wireless LAN unit lock

Interfaces

12G-SDI In/Out  
HDMI (HDCP 2.3) x 2/HDMI Out x 1  
HDBaseT x 1  
Variable Audio Out: Mini Stereo x 1  
USB Type-A for Wireless LAN (optional)  
USB Connector Type-B x 1  
Serial: RS-232c x 1  
Remote Stereo Mini  
Network: RJ-45

Video I/O

**Input Signal** Input Video Signal (HDMI and HDBaseT® ports)  
480i/480p/576i/576p/720p/1080i/1080p/3840 x 2160/  
4096 x 2160  
Max PC Graphics: 2560 x 1600/3440 x 1440"  
**Auto Power On** Signal Detection on HDMI/Plug-In Detection (HDMI)  
**Sleep Mode** Yes (with timer)  
**HDMI CEC Control** Yes

Dimensions (W x D x H)

**Excluding Feet** 21.5" x 17.2" x 6.5"  
(545 mm x 436 mm x 164 mm)  
**Weight** 41.4 lb (18.8 kg)

Remote Control

**Features** Power, Source Search Selection, Lens Shift, Zoom, Focus, Test Pattern Selection, Shutter, Freeze, ID, Color Mode, Number, E-Zoom, Volume, Menu, Enter, ESC, Pointer Functions, Blend Guides, Multi-Projection, Color Tone Adjust and Memory  
**Operating Angle**  
Angle Front: Right/Left: 60 to +60; Upper/Lower: +30 to 20 degrees  
Angle Rear: Right/Left: 30 to +30; Upper/Lower: +50 to +10 degrees  
**Operating Distance** 98 ft

Eco Features

RoHS compliant



Limited Warranty and Service

**Warranty** The projector has a 2-year limited warranty and an additional year by registering the product<sup>4</sup>.  
**Service** Toll-free telephone support, Monday through Friday  
**Epson Connection<sup>SM</sup>**  
**Website:** [latin.epson.com](http://latin.epson.com)  
Other extended service plans may be available.

What's Included

EB-PQ2010B projector, power cable, remote control with 2 batteries, cable cover, lens connector cap, quick reference guide and warranty sheet

Ordering Information

EB-PQ2010B	V11HB02820
Air Filter (ELPAF46)	V13H134A46
External Air Filter (ELPAF63)	V13H134AD0
Ultra Short Throw Lens (ELPLX02S)	V12H004X0B
Short Throw #1 Zoom Lens (ELPLU03S)	V12H004UA3
Short Throw #2 Zoom Lens (ELPLU04)	V12H004U04
Wide Throw #1 Zoom Lens (ELPLW05)	V12H004W05
Wide Throw #3 Zoom Lens (ELPLW08)	V12H004W08
Wide Throw #2 Zoom Lens (ELPLW06)	V12H004W06
Middle Throw #2 Zoom Lens (ELPLM15)	V12H004M0F
Middle Throw #3 Zoom Lens (ELPLM10)	V12H004M0A
Middle Throw #4 Zoom Lens (ELPLM11)	V12H004M0B
Long Throw Zoom Lens (ELPLL08)	V12H004L08
Wireless LAN Module (ELPAP11)	V12H005A02
PixAlign Camera (ELPEC01)	V12HA46010

1 Comparison based on 4K projectors rated at 10,000 lumens. Lumens, resolution, size and weight based on the manufacturers' online specifications and industry-available data as of October 2023. | 2 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. | 3 No required maintenance for the light source and filter for up to 20,000 hours (Normal Mode), 30,000 hours (Extended Mode). Approximate time until brightness decreases 50% from first usage. Measured by acceleration test assuming use of 0.04 - 0.20 mg/m<sup>3</sup> of particulate matter. Time varies depending on usage. | 4 HDR performance available with select third-party devices. For more information, see [www.epson.com/hdrcompatibility](http://www.epson.com/hdrcompatibility) | 5 Requires Epson external camera for each projector and may require Epson Projector Professional Tool app. | 6 Using separate camera for each projector. | 7 Mac® and PC only. | 8 Requires one on-site PC with Epson Projector Connected Agent installed. | 9 This Epson product is covered by a limited warranty of 2 years from the date of purchase, that is, from the date of issuance of the purchase invoice to the original purchaser. To be eligible for Epson's 3-year Extended Limited Warranty (1 additional year), you must register your product at [latin.epson.com/garantia](http://latin.epson.com/garantia) within 30 days of your purchase date, i.e. from the date of the original purchase invoice.

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[www.latin.epson.com](http://www.latin.epson.com)

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