

EB-PQ2008B

8,000-Lumen 4K 3LCD Laser Projector



Compact, premium large venue 4K projector.



Incredible color — Epson 3-chip 3LCD technology produces 8,000 lumens of equal white and color brightness¹

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 filter²; optional external air filter is available for high-dust environments

Stunning image quality — high native contrast ratio for deep blacks; 50 percent improvement over the already high contrast ratio found with the current Epson EB-PU Series; frame interpolation for fast moving objects; HDR support³ and scene adaptive gamma correction

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

Enhanced connectivity — features automatic input switching when input signal is disrupted; HDMI® two in and one out for daisy chaining; HDBaseT® input

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 assist⁵, stacking assist function⁵, auto color calibration⁶ and screen matching⁶ 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)⁷; easily manage your installed inventory using Epson Projector Management – Connected (EPM-C)⁸ from any device with a Web browser

NFC function built-in⁴ — reduce installation time of multiple projectors; read and write setting information using Epson’s mobile app

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 Brightness¹ Color Light Output: 8,000 lumens

White Brightness¹ White Light Output: 8,000 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 Life²
20,000 hours (Normal Mode)
30,000 hours (Extended Mode)

Projection Lens (Standard)

Visit www.epson.com for information on optional lenses.

Standard Lens ELPLM15 (sold separately)

Type Powered shift/focus/zoom

F-Number 2.0 – 2.1

Focal Length 14.8 mm – 17.7 mm

Zoom Ratio Optical Zoom: 1.0 – 1.6

Throw Ratio Range 1.52 – 2.47

Lens Shift Vertical: ±60%; Horizontal: ±18%

Other Features

Operating Temperature 32 °F to 122 °F (0 °C to 50 °C)

Power Supply Voltage 100 V – 240 V AC ±10%, 50/60 Hz

Power Consumption
522 W (Normal/Custom)
424 W (Quiet/Extended)
2.0 W Standby (Network Standby)
0.5 W Standby (Energy Saving)

Fan Noise 35 dB (Normal Mode), 29 dB (Eco Mode)

Security Security cable hole, lens lock, Kensington® lock provision, wireless LAN unit lock

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

Interfaces

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



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 lb/ (18.6 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
End-of-life options available⁹
Epson America, Inc. is a SmartWay® Transport Partner¹⁰

Limited Warranty and Service

Warranty Three-year limited in the U.S. and Canada
Service Toll-free telephone support, Monday through Friday
Epson ConnectionSM
Pre-Sales Support (U.S. and Canada): 800-463-7766
Website: www.epson.com

Epson PreferredSM Plus Extended Service Plan

3-Year Upgrade to Next-Business-Day Whole Unit Exchange¹¹ for Years 1-3 EPPPRJPQ3
5-Years Next-Business-Day Whole Unit Exchange¹¹ for Years 1-5 EPPPRJPQE5
Other extended service plans may be available.

What's Included

EB-PQ2008B laser projector, power cable, remote control with 2 batteries, cable cover, lens connector cap, quick reference guide and warranty sheet

Ordering Information

EB-PQ2008B	V11HB01820
Air Filter (ELPAF46)	V13H134A46
External Air Filter (ELPAF63)	V13H134A00
Ultra Short Throw Lens (ELPLX02S)	V12H004X0B
Ultra Short Throw Lens – White (ELPLX02WS)	V12H004Y0B
Short Throw #1 Zoom Lens (ELPLU03S)	V12H004UA3
Short Throw #2 Zoom Lens (ELPLU04)	V12H004U04
Wide Throw #1 Zoom Lens (ELPLW05)	V12H004W05
Wide Throw #2 Zoom Lens (ELPLW06)	V12H004W06
Wide Throw #3 Zoom Lens (ELPLW08)	V12H004W08
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
Rigging Frame (ELPMB59)	V12H996A01
Stacking Frame (ELPMB76)	V12H006A00
Mounting Tilt Plate (ELPMB77)	V12H006AP0
Wireless LAN Module (ELPAP11)	V12H005A02
Projector Ceiling Mount (ELPMB67)	V12HA54010
Fine Adjust Ceiling Mount (ELPMB68)	V12H006AE0
PixAlign Camera (ELPEC01)	V12HA46010

¹ 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. | ² 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/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. | ³ HDR performance available with select third-party devices. For more information, see www.epson.com/hdrcompatibility | ⁴ NFC requires use of a device that includes NFC and may require additional software. | 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 For convenient and reasonable recycling options, visit www.epson.com/recycle | ¹⁰ SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency. | ¹¹ Product comes with a 3-year limited warranty with the option to purchase extended service plans up to a total of 5 years of continuous coverage. Extended service plan must be purchased within 90 days of hardware purchase. Expedited shipping not available in all areas. Orders must be placed and processed by 1 p.m. Pacific Time, Monday through Friday, excluding holidays. See individual service plan for details.

See the latest innovations from Epson Business Solutions at www.epson.com/forbusiness



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