

EB-PQ2010B

10,000-Lumen 4K 3LCD Laser Projector



The world's smallest and lightest 10,000-lumen 4K projector¹.



The world's smallest and lightest 10,000-lumen 4K projector¹ — 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 brightness²

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 filter³; 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 support⁴ 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 — 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 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

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 Brightness² Color Light Output: 10,000 lumens
White Brightness² 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 Life³
 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 ±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

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

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



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

Ordering Information

| | |
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| EB-PQ2010B | V11HB02820 |
| Air Filter (ELPAF46) | V13H134A46 |
| External Air Filter (ELPAF63) | V13H134AD0 |
| 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 #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 |
| Rigging Frame (ELPMB59) | V12H996A01 |
| Stacking Frame (ELPMB76) | V12H006AN0 |
| 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 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/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. | ⁴ HDR performance available with select third-party devices. For more information, see 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 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



Epson America, Inc.
 3131 Katella Ave., Los Alamitos, CA 90720

Epson Canada Limited
 185 Renfrew Drive, Markham, Ontario L3R 6G3

www.epson.com
www.epson.ca

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Contact:

