

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

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