

# EB-PQ2216B

16,000-Lumen 4K 3LCD Laser Projector



**Compact, premium large venue 4K projector.**



**Incredible color:** Epson 3-chip 3LCD technology produces 16,000 lumens of equal white and color brightness<sup>1</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)

**Robust, high-reliability design:** virtually maintenance-free 20,000-hour laser light source<sup>2</sup>; IP5X-rated hermetically sealed optical and light source module for high dust resistance; filterless cabinet; optimized liquid cooling system

**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 support<sup>3</sup> and scene adaptive gamma correction

**Simplified installation:** 9 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<sup>®</sup> 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>4</sup>, stacking assist function<sup>4</sup>, auto color calibration<sup>5</sup> and screen matching<sup>5</sup> with or without a connected PC and router

**Versatile power source options:** requires 220 V power for full brightness; can operate at 15,500 lumens from a standard 120 V power source for setup and installation

**Efficient setup and management:** control multiple projectors in a single, large space with Epson Projector Professional Tool (EPPT app)<sup>6</sup>; easily manage your installed inventory using Epson Projector Management – Connected (EPM-C)<sup>7</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>1</sup>** Color Light Output: 16,000 lumens  
**White Brightness<sup>1</sup>** White Light Output: 16,000 lumens  
**Contrast Ratio** Up to 5,000,000:1 (Dynamic Contrast: 0)  
**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>2</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** 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 – 120 V AC +/- 10%, 50/60 Hz  
 200 – 240 V AC +/- 10%, 50/60 Hz  
**Power Consumption (220-240 V)**  
 1,114 W (Normal/Custom)  
 784 W (Quiet/Extended)  
 2.0 W Standby (Network Standby)  
 0.4 W Standby (Energy Saving)  
**Fan Noise** 44 dB (Normal Mode); 36 dB (Eco Mode)  
**IP Rating** IP5X<sup>3</sup>  
**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-B x 1  
 USB Type-A x 2 (5 V, 2.0 A)  
 USB Type-A for Wireless LAN (optional)  
 Serial: RS-232c x 1 (9-pin)  
 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  
**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** 23.1" x 19.4" x 7.3"  
 (586 mm x 492 mm x 185 mm)  
**Weight** 64.3 lb (29.2 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**  
 Front: Right/Left: 60 to +60; Upper/Lower: +30 to 30 degrees  
 Rear: Right/Left: 30 to +30; Upper/Lower: +40 to +5 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-PQ2216B projector, two cables (220 V – 240 V power cable x 1 and 100 V – 120 V power cable x 1), remote control with 2 batteries, cable cover, quick reference guide and warranty sheet

## Ordering Information

EB-PQ2216B	V11HB04820
Ultra Short Throw Lens (ELPLX02S)	V12H004X0B
Short Throw #1 Zoom Lens (ELPLU03S)	V12H004UA3
Short Throw #2 Zoom Lens (ELPLU04)	V12H004U04
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
Wireless LAN Module (ELPAP11)	V12H005A02
PixAlign Camera (ELPECO1)	V12HA46010

<sup>1</sup> 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. | <sup>2</sup> No required maintenance for the light source 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 conditions and environment. Replacement of parts other than the light source may be required in a shorter period. | <sup>3</sup> HDR performance available with select third-party devices. For more information, see [www.epson.com/hdrcompatibility](http://www.epson.com/hdrcompatibility) | <sup>4</sup> Requires Epson external camera for each projector and may require Epson Projector Professional Tool app. | <sup>5</sup> Using separate camera for each projector. | <sup>6</sup> Mac® and PC only. | <sup>7</sup> Requires one on-site PC with Epson Projector Connected Agent installed. | <sup>8</sup> IP5X-certified optical engine and laser light source module in accordance with IEC standard 60529. | <sup>9</sup> 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.

See the latest innovations from Epson Business Solutions at [latin.epson.com](http://latin.epson.com)

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

### En Latinoamérica llamar a la oficina local o a tu distribuidor autorizado. Subsidiarias Epson:

Epson Argentina S.R.L. (0800) 288 37766 | Epson Bolivia (800) 100 116 | Epson Centroamérica (506) 2588 7800 | Epson Chile S.A. (562) 2484 3400 | Epson Colombia Ltda. (571) 602 4750 | Epson México S.A. de C.V. (5255) 1323 2000 | Epson Perú S.A. (511) 418 0210

Contact: