

# 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 .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>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: 20)  
**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

**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>8</sup>

**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

**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-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



## 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

End-of-life options available<sup>9</sup>

Epson America, Inc. is a SmartWay® Transport Partner<sup>10</sup>

## Limited Warranty and Service

**Warranty** Three-year limited in the U.S. and Canada

**Service** Toll-free telephone support, Monday through Friday

**Epson Connection<sup>SM</sup>**

Pre-Sales Support (U.S. and Canada): 800-463-7766

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

## Epson Preferred<sup>SM</sup> Plus Extended Service Plan

3-Year Upgrade to Next-Business-Day Whole Unit

Exchange<sup>11</sup> for Years 1-3

EPPPRJPQ3

5-Years Next-Business-Day Whole Unit Exchange<sup>11</sup>

for Years 1-5

EPPPRJPQE5

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
Ultra Short Throw Lens – White (ELPLX02WS)	V12H004Y0B
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
Rigging Frame (ELPMB59)	V12H996A01
Stacking Frame (ELPMB84)	V12H006AW0
Mounting Tilt Plate (ELPMB77)	V12H006AP0
Wireless LAN Module (ELPAP11)	V12H005A02
Projector Ceiling Mount (ELPMB67)	V12HA54010
Fine Adjust Ceiling Mount (ELPMB68)	V12H006AE0
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> For convenient and reasonable recycling options, visit [www.epson.com/recycle](http://www.epson.com/recycle) | <sup>10</sup> SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency. | <sup>11</sup> 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](http://www.epson.com/forbusiness)



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