

# EB-PU2216B

16,000-Lumen 3LCD Large Venue Laser Projector with 4K Enhancement<sup>1</sup>

**Ultra Bright:**  
**Color & White Brightness:**  
**16,000-lumens<sup>2</sup>**



**Premium large venue  
laser projector with  
4K Enhancement<sup>1</sup>.**



**Incredible color** — Epson 3-chip 3LCD technology produces 16,000 lumens of equal white and color brightness<sup>2</sup> from a standard 120 V power source

**WUXGA with 4K Enhancement<sup>1</sup>** — accepts 4K content and delivers up to 4.6 million pixels on-screen for an incredibly crisp and vibrant image

**Long-lasting laser light source** — 20,000-hour virtually maintenance-free laser light source<sup>3</sup>

**Simplified installation** — 9 optional powered lenses (sold separately), including an ultra short throw .35 throw lens with unique zero-offset design, provide enhanced flexibility and convenience during installation

**Engineered for reliability** — hermetically sealed optical engine offers high dust resistance while filterless cabinet and liquid cooling system support easy, low-maintenance operation

**Ideal for live event applications** — 3G-SDI input and output easily accommodate daisy-chaining and long cable runs; mechanical shutter helps protect projector during laser light shows

**Outstanding image quality** — high native contrast ratio produces deep blacks; frame interpolation delivers realistic moving images; HDR support<sup>4</sup> and scene adaptive gamma correction for true-to-life images

**Fast installation** — built-in NFC functionality<sup>5</sup> and easy-to-use Android® and iOS® mobile app, Epson Projector Configuration Tool (EPCT)<sup>6</sup>, to streamline multi-projector installations

**Optional attachable PixAlign™ camera** — provides access to powerful features, including projector stacking assist function<sup>7</sup>, blending assist<sup>7</sup> for edge blends, color calibration<sup>8</sup> and screen matching<sup>8</sup> from the projector menu or Epson Projector Professional Tool (EPPT) app<sup>9</sup>

## 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** 2,304,000 dots (1920 x 1200) x 3

**Signal Input** Maximum Display Resolution: 4096 x 2160 (resizing display); Display Resolution: 1920 x 1200 pixels

**Native Resolution** WUXGA with 4K Enhancement<sup>1</sup>

(1920 x 1200 x 2)

**Resolution on Screen** WUXGA with 4K Enhancement<sup>1</sup>/ 4.6 million pixels

**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>2</sup>** Color Light Output: 16,000 lumens

**White Brightness<sup>2</sup>** White Light Output: 16,000 lumens

**Contrast Ratio** 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 Diode

## 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 – 1.6x

**Throw Ratio Range** 1.57 – 2.56

**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 Hz – 60 Hz

**Power Consumption**

1,118 W (Normal/Custom)

791 W (Quiet/Extended)

2.0 W Standby (Network Standby)

0.4 W Standby (Energy Saving)

**Fan Noise** 38 dB (Normal Mode); 34 dB (Eco)

**IP Rating** IP5X<sup>10</sup>

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

## Video I/O

**Input Signal** Input Video Signal (HDMI®, DVI-D 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, VGA 15-Pin)

**Sleep Mode** Yes (with timer)

**HDMI CEC Control** Yes

## Interfaces

3G-SDI in/out

HDMI x 1 (HDCP 2.3)

HDBaseT x 1

DVI-D x 1

VGA 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 Mini Stereo

Network: RJ-45



## Dimensions (W x D x H)

**Including Feet** 23.1" x 19.4" x 8.6"

**Weight** 53.5 lb (24.2 kg)

## Remote Control

**Features** Power, Source Search Selection, Lens Shift/Zoom/Focus, Test Pattern Selection, A/V Mute, Freeze, User ID, Auto Aspect, Color Mode, Number, Page Up and Down, E-Zoom, Volume, Help, Menu, Enter, ESC and Pointer Functions

**Operating Angle**

Front: Right/Left: 60 to +60; Upper/Lower: +30 to 30 degrees

Rear: Right/Left: 30 to +30; Upper/Lower: +40 to +10 degrees

**Operating Distance** 98 ft

## Eco Features

RoHS compliant

End-of-life options available<sup>11</sup>

Epson America, Inc. is a SmartWay® Transport Partner<sup>12</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>13</sup> for Years 1-3

EPPRJPJ03

5-Year Next-Business-Day Whole Unit Exchange<sup>13</sup>

for Years 1-5

EPPRJPJ05

Other extended service plans may be available

## What's Included

EB-PU2216B projector, power cable, remote control with 2 batteries, cable cover, quick reference guide and warranty sheet

## Ordering Information

EB-PU2216B	V11HA67820
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
Projector Ceiling Mount (ELPMB67)	V12HA54010
Fine Adjust Ceiling Mount (ELPMB68)	V12H006AE0
PixAlign Camera (ELPEC01)	V12HA46010
Wireless LAN Module (ELPAP11)	V12H005A02

1 4K Enhancement Technology shifts each pixel to surpass Full HD resolution on screen. | 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 for up to 20,000 hours. 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. | 4 HDR performance available with select third-party devices. For more information, see [www.epson.com/hdrcompatibility](http://www.epson.com/hdrcompatibility) | 5 NFC requires use of a device that includes NFC and may require additional software. | 6 Epson Projector Configuration Tool app for Android and iOS. Internet connection required for download; data usage fee may apply. | 7 Requires Epson external camera or built-in camera for each projector and the Epson Projector Professional Tool app. | 8 Using separate camera for each projector. | 9 Mac® and PC only. | 10 IP5X-certified optical engine and laser light source module in accordance with IEC standard 60529. | 11 For convenient and reasonable recycling options, visit [www.epson.com/recycle](http://www.epson.com/recycle) | 12 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency. | 13 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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