

EB-PU2220B

20,000-Lumen 3LCD Large Venue Laser Projector with 4K Enhancement²

Ultra Bright:
Color Brightness: 20,000 lumens¹
White Brightness: 20,000 lumens¹



Product shown with lens.
 Lens sold separately.

Incredible color — Epson® 3-chip 3LCD technology produces 20,000 lumens of equal white and color brightness¹

WUXGA with 4K Enhancement² — 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 source³

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 support⁴ and scene adaptive gamma correction for true-to-life images

Fast installation — built-in NFC functionality and easy-to-use Android™ and iOS® mobile app⁵, Epson Projector Configuration Tool (EPCT)⁶, to streamline multi-projector installations

Optional attachable PixAlign™ camera — provides access to powerful features, including projector stacking assist function⁷, blending assist⁷ for edge blends, color calibration⁸ and screen matching⁸ from the projector menu or Epson Projector Professional Tool (EPPT) app⁹

Simple Blending and Simple Stacking functions⁸ — for fast blending or stacking of two projectors using a remote controller instead of conventional setup with a PC and router; requires optional attachable PixAlign camera⁸



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 Enhancement² (1920 x 1200 x 2)
Resolution on Screen WUXGA with 4K Enhancement²/ 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 Brightness¹ Color Light Output: 20,000 lumens
White Brightness¹ White Light Output: 20,000 lumens
Contrast Ratio 2,500,000:1 (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 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 1.57 – 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 220 V – 240 V AC ± 10%, 50/60 Hz
Power Consumption
 1,301 W (Normal/Custom)
 899 W (Quiet/Extended)
 2.0 W Standby (Network Standby)
 0.4 W Standby (Energy Saving)
Fan Noise 45 dB (Normal Mode); 37 dB (ECO)
IP Rating IP5X¹⁰
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) and Weight

Dimensions Including Feet 23.1" x 19.4" x 8.6"
Weight 53.7 lb (24.4 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 available¹¹
 Epson America, Inc. is a SmartWay® Transport Partner¹²

Limited Warranty and Service

Warranty Three-year limited or 20,000 hours, whichever comes first, 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 Exchange¹³ for Years 1-3 EPPPRJPU3
 5-Years Next-Business-Day Whole Unit Exchange¹³ for Years 1-5 EPPPRJPU5
 Other extended service plans may be available

What's Included

EB-PU2220B projector, power cable, remote control with 2 batteries, cable cover, user guide and warranty sheet



Ordering Information

EB-PU2220B	V11HA66820
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
Wireless LAN Module (ELPAP11)	V12H005A02
Projector Ceiling Mount (ELPMB67)	V12HA54010
Suspension Adapter (ELPPF15)	V12HA55010
PixAlign Camera (ELPEC01)	V12HA46010

¹ 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. | ² 4K Enhancement Technology shifts each pixel to surpass Full HD resolution on screen. | 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/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 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 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 | 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. See individual service plan for details. 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 the latest innovations from Epson Business Solutions at www.epson.com/forbusiness



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