EB-PU2220B 20,000-Lumen 3LCD Large Venue Laser Projector with 4K Enhancement

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

The world’s smallest and lightest 20,000-lumen projector².

- The world's smallest and lightest 20,000-lumen projector² — produces incredibly bright images from a light and compact body
- Incredible color — Epson® 3-chip 3LCD technology produces 20,000 lumens of equal white and color brightness¹
- WUXGA with 4K Enhancement³ — 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 source⁴
- 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 support⁵ and scene adaptive gamma correction for true-to-life images
- Fast installation — built-in NFC functionality⁶ to streamline multi-projector installations using the easy-to-use Epson Projector Configuration Tool (EPCT)⁷ mobile app for Android™ and iOS®

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Product shown with lens. Lens sold separately.
Specifications

Projection System
High-aperture Epson 3LCD, 3-chip technology

Projection Method
Front/rear/ceiling mount

Driving Method
Poly-silicon TFTActive Matrix

Pixel Number
2,304,000 dots (1920 x 1200) x 3

Signal Input
Maximum Display Resolution: 4096 x 2160

Native Resolution
WUXGA with 4K Enhancement (1920 x 1200 x 2)

Resolution on Screen
WUXGA with 4K Enhancement/4.6 million pixels

Aspect Ratio
Supports 4:3, 16:9, 16:10

Pixel Arrangement
Cross stripe

Color Brightness
Color Light Output: 20,000 lumens

White Brightness
White Light Output: 20,000 lumens

Contrast Ratio
2,500,000:1 (Dynamic Contrast: On)

Brightness Uniformity
85%

Color Reproduction
Up to 1.67 billion colors

Lens Shift
Vertical: ±60%; horizontal: ±18%

Keystone Correction
Vertical: ±30 degrees

Illumination Technology
Laser Diode

Projection Lens (Standard)
See website 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 Optical
Zoom: 1.0 – 1.6

Throw Ratio Range
1.57 – 2.56

Lens Shift
Vertical: ±60%; horizontal: ±18%

Other Features
Operating Temperature
32 ˚C to 122 ˚F (0 ˚C to 50 ˚C)

Power Supply Voltage
220 – 240 V ± 10%, 50/60 Hz AC

Power Consumption
1,301 W (Normal / Custom)

Power Supply Voltage
220 – 240 V ± 10%, 50/60 Hz AC

Power Consumption
899 W (Quiet / Extended)

Power Standby (Network Standby)
0.4 W (Energy Saving)

Fan Noise
45 dB (Normal Mode); 37 dB (ECO)

IP Rating
IP5X

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)

Output
480i/480p/576i/576p/720p/1080i/1080p/3840 x 2160/4096 x 2160

Dimensions / Weight
Including Feet (W x D x H): 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

Operating Distance
98 ft

Eco Features
RoHS compliant

Recyclable product®

Epson America, Inc. is a SmartWay® Transport Partner.

Support
Epson Connection™

Pre-sales support: U.S. and Canada: 800-463-7766

Internet website: www.epson.com

Service Programs
The projector has a limited warranty of 3 years

What’s in the Box
EB-PU2220B projector, power cable, remote control with two batteries, cable cover, user guide and warranty sheet

Ordering Information
Epson EB-PU2220B V11HA66820
Ultra Short-Throw Lens (ELPLX02S) V12H004X0B
Ultra Short-Throw Lens - White (ELPLX02WS) V12H004Y0B
Short-Throw #1 Zoom Lens (ELPLU03S) V12H004A03
Short-Throw #2 Zoom Lens (ELPLU04) V12H004J04
Wide-Throw #2 Zoom Lens (ELPLW06) V12H004W06
Wide-Throw #3 Zoom Lens (ELPLW08) V12H004W08
Middle-Throw #2 Zoom Lens (ELPLM19) V12H004M06
Middle-Throw #3 Zoom Lens (ELPLM10) V12H004M0A
Middle-Throw #4 Zoom Lens (ELPLM11) V12H004M0B
Long-Throw Zoom Lens (ELPLB08) V12H004L08
Rigging Frame (ELPMBS9) V12H096A01
Wireless LAN Module (ELPAP11) V12H035A02
Projector Ceiling Mount (ELPM687) V12H54010
Suspension Adapter (ELPF15) V12H5A5010
PixAlign™ Camera (ELPC01) V12H4A6010

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