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SPECIFICATION SHEET

Projectors

Large Venue

EB-PU2120W 20,000-Lumen 3LCD Laser Projector with 4K Enhancement

Ultra Bright

Color Brightness: 20,000 lumens[1]
White Brightness: 20,000 lumens[1]



Product shown with lens.
Lens sold separately.

The world's smallest and lightest 20,000-lumen projector[2].

The world's smallest and lightest 20,000-lumen projector[2] — 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 brightness[1]

WUXGA with 4K Enhancement[3] — 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[4]

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

Outstanding image quality — high native contrast ratio produces deep blacks; frame interpolation delivers realistic moving images; HDR support[5] and scene adaptive gamma correction for true-to-life images

Fast installation — built-in NFC functionality[6] to streamline multi-projector installations using the easy-to-use Epson Projector Configuration Tool (EPCT)[7] mobile app for Android™ and iOS®

Optional attachable PixAlign™ camera — provides access to powerful features, including projector stacking assist function[8], tiling assist[8] for edge blends, color calibration[9] and screen matching[9]

LASER LIGHT SOURCE

4K Enhancement [3]

3LCD

Epson PRO Series

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EB-PU2120W 20,000-Lumen 3LCD Laser Projector with 4K Enhancement

Specifications

Projection System High-aperture Epson 3LCD, 3-chip 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[3] (1920 x 1200 x 2)
Resolution on Screen WUXGA with 4K Enhancement[3]/ 4.6 million pixels
Aspect Ratio Supports 4:3, 16:9, 16:10
Pixel Arrangement Cross stripe
Color Brightness[1] Color Light Output: 20,000 lumens
White Brightness[1] 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
Lens Shift Vertical: ±60%; horizontal: ±18%
Keystone Correction Vertical: ±45 degrees; horizontal: ±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 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 ˚ to 122 ˚F (0 ˚ to 50 ˚C)
Power Supply Voltage 220 – 240 V ± 10%, 50/60 Hz AC
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 IP5X[10]
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

Interfaces

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 / 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
Rear: Right/Left: 30 to +30; Upper/Lower: +40 to +10 degrees
Operating Distance 98 ft

Eco Features

RoHS compliant
Recyclable product[11]
Epson America, Inc. is a SmartWay® Transport Partner[12]

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-PU2120W projector, power cable, remote control with two batteries, cable cover, user guide and warranty sheet

Ordering Information

Epson EB-PU2120W	V11HA63920
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 (ELPFP15)	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** Comparison based on projectors rated at 20,000 lumens. Lumens, size and weight based on the manufacturers' online specifications and industry-available data as of December, 2021. Excludes other Epson models. | **3** 4K Enhancement Technology shifts each pixel to surpass Full HD resolution on screen. | **4** 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^3 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. | **5** HDR performance available with select third-party devices. For more information, see www.epson.com/hdrcompatibility | **6** NFC requires use of a device that includes NFC, and may require additional software. | **7** Internet connection required for download. Data usage fee may apply. | **8** Requires Epson external camera or built-in camera for each projector and the Epson Projector Professional Tool app. | **9** Using separate camera for each projector. | **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.

See the latest innovations from Epson Business Solutions at **www.epson.com/forbusiness**

Better Products for a Better Future™
eco.epson.com

SmartWay® Transport Partner
Getting There With Cleaner Air

Contact:

Epson America, Inc.
3131 Katella Ave., Los Alamitos, CA 90720

Epson Canada Limited
185 Renfrew Drive, Markham, Ontario L3R 6G3

www.epson.com
www.epson.ca

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