

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

## Ultra Bright

Color Brightness: 20,000 lumens<sup>1</sup>

White Brightness: 20,000 lumens<sup>1</sup>



Product shown with lens.  
Lens sold separately.

## The world's smallest and lightest 20,000-lumen projector<sup>2</sup>.

**The world's smallest and lightest 20,000-lumen projector<sup>2</sup>** — 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<sup>1</sup>

**WUXGA with 4K Enhancement<sup>3</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>4</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

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

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

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



# 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<sup>2</sup> (1920 x 1200 x 2)  
**Resolution on Screen** WUXGA with 4K Enhancement<sup>2</sup>/4.6 million pixels  
**Aspect Ratio** Supports 4:3, 16:9, 16:10  
**Pixel Arrangement** Cross stripe  
**Color Brightness<sup>1</sup>** Color Light Output: 20,000 lumens  
**White Brightness<sup>1</sup>** 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<sup>10</sup>

**Security** Security cable hole, lens lock, Kensington<sup>®</sup> lock provision, wireless LAN unit lock

## Video I/O

**Input Signal** Input Video Signal (HDMI<sup>®</sup>, DVI-D and HDBaseT<sup>™</sup> 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<sup>11</sup>

Epson America, Inc. is a SmartWay<sup>®</sup> Transport Partner<sup>12</sup>

## Support

### Epson Connection<sup>SM</sup>

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

Internet website: [www.epson.com](http://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)	V12H004MOF
Middle-Throw #3 Zoom Lens (ELPLM10)	V12H004MOA
Middle-Throw #4 Zoom Lens (ELPLM11)	V12H004MOB
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

<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> 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. | <sup>3</sup> 4K Enhancement Technology shifts each pixel to surpass Full HD resolution on screen. | <sup>4</sup> 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 usage 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>5</sup> HDR performance available with select third-party devices. For more information, see [www.epson.com/hdrcompatibility](http://www.epson.com/hdrcompatibility) | <sup>6</sup> NFC requires use of a device that includes NFC, and may require additional software. | <sup>7</sup> Internet connection required for download. Data usage fee may apply. | <sup>8</sup> Requires Epson external camera or built-in camera for each projector and the Epson Projector Professional Tool app. | <sup>9</sup> Using separate camera for each projector. | <sup>10</sup> IP5X-certified optical engine and laser light source module in accordance with IEC standard 60529. | <sup>11</sup> For convenient and reasonable recycling options, visit [www.epson.com/recycle](http://www.epson.com/recycle) | <sup>12</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.

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