

EB-PU2010B WUXGA 3LCD Laser Projector with 4K Enhancement¹

Projectors

Large Venue



Product shown with lens.
Lens sold separately.

Premium, compact large venue laser projector with 4K Enhancement¹.

Best-in-Class Color Brightness² — 10,000 lumens of color/white brightness³; world's smallest and lightest 10,000-lumen projector⁴

Exceptional widescreen display — native WUXGA with 4K Enhancement Technology¹ (1920 x 1200 x 2); accepts 4K content and provides up to 4.6 million pixels onscreen

Worry-free operation — virtually maintenance-free, 20,000-hour laser light source and air filter⁵

Simplified installation features — 9 optional powered lenses including ultra short throw with .35 throw; inputs including SDI in/out, HDBaseT[®] and HDMI[®] (HDCP 2.3)

NFC function built in⁶ — reduce installation time of multiple projectors; read and write setting information using Epson's mobile app

Clip-on optional external camera — access powerful automated tools including auto color calibration⁷, screen matching of multiple projectors⁷, tiling assist⁸ for edge blends and the stacking assist⁸ function

Lifelike images — high native contrast ratio, HDR support⁹ and scene adaptive gamma correction for more realistic images and easy-to-read presentations

Optional external air filter — extend the filter maintenance cycle in dusty environments

Dynamic projection capabilities — advanced built-in edge blending, image warping and shape overlay features for a variety of applications; direct content playback from USB storage media

Customized performance — brightness modes to maximize light source life and provide a consistent brightness level

Powerful remote management — control and monitor projector status via the Epson[®] Projector Management app¹⁰ for Windows[®]



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 Enhancement¹ (1920 x 1200 x2)
Resolution on Screen WUXGA with 4K¹ Enhancement/4.6 million pixels¹
Aspect Ratio: Supports 4:3, 16:10, 16:9*, 21:9*
 * With vertical image shift control within letterbox area
Pixel Arrangement Cross stripe
Color Brightness³ Color Light Output: 10,000 lumens
White Brightness³ White Light Output: 10,000 lumens
Contrast Ratio Up to 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 Phosphor

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 – 1.6
Throw Ratio Range 1.57 – 2.56
Lens Shift Vertical: ±60%; Horizontal: ±18%

Other Features

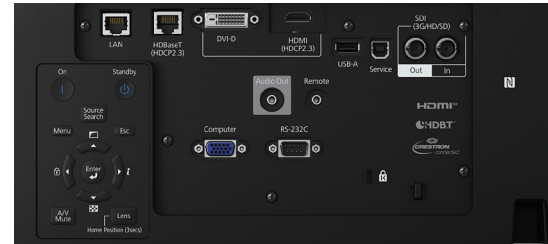
Operating Temperature 32 °F to 113 °F (0 °C to 45 °C)
Power Supply Voltage 100 V – 240 V ±10%, 50/60 Hz AC
Power Consumption
 559 W (Normal, Custom)
 469 W (Medium, Quiet, Extended)
 2.0 W Standby (Communication On)
 0.5 W Standby (Communication Off)
Fan Noise 35 dB (Normal Mode), 34 dB (Medium Mode), 30 dB (Eco Mode)
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 - Max PC graphics: 2560 x 1600

Interfaces

DVI-D x 1
 HDMI (HDCP 2.3) x 1
 HDBaseT x 1
 3G-SDI In/Out
 RGB D-Sub 15-pin
 Variable Audio Out: Mini Stereo x 1
 USB Connector Type A x 2
 USB Connector Type B x 1
 Serial: RS-232c x 1
 Remote Stereo Mini
 Network: RJ-45



Video I/O (Continued)

Auto Power On Signal Detection on HDMI/Plug-In Detection (HDMI, VGA 15-pin)
Sleep Mode Yes (with timer)
HDMI CEC Control Yes

Dimensions (W x D x H)

Excluding Feet, Lens 21.5" x 17.2" x 6.5"
Weight 37 lb

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
 Angle Front: Right/Left: 60 to +60; Upper/Lower: +30 to 20 degrees
 Angle Rear: Right/Left: 30 to +30; Upper/Lower: +50 to +10 degrees
Operating Distance 98 ft

Eco Features

RoHS compliant
 Recyclable product¹¹
 Epson America, Inc. is a SmartWay[®] Transport Partner¹²

Support

Epson ConnectionSM
 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. Epson Road Service program with free Next-Business-Day Replacement¹³, PrivateLine[®] dedicated toll-free support (U.S. and Canada only)

What's in the Box

EB-PU2010B projector, power cable, remote control with 2 batteries, cable cover, lens connector cap, user guide and warranty sheet

Ordering Information

EB-PU2010B	V11HA52820
ELPLAF46	V13H134A46
External Air Filter (ELPAF63)	V13H134AD0
Ultra Short Throw Lens (ELPLX02S)	V12H004X0B
Ultra Short Throw Lens - White (ELPLX02WS)	V12H004Y0B
Short Throw #1 Zoom Lens (ELPLU03S)	V12H004JA3
Short Throw #2 Zoom Lens (ELPLU04)	V12H004U04
Wide Throw #1 Zoom Lens (ELPLW05)	V12H004W05
Wide Throw #3 Zoom Lens (ELPLW08)	V12H004W08
Wide Throw #2 Zoom Lens (ELPLW06)	V12H004W06
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
Wireless LAN Module (ELPAP10)	V12H731P02
Projector Ceiling Mount (ELPMB67)	V12HA54010
Suspension Adapter (ELPPP15)	V12HA55010

¹ 4K Enhancement Technology shifts each pixel to surpass Full HD resolution on screen. | ² Color brightness measured per IDMS 15.4. Additional colors and picture modes tested. Top-selling Epson 3LCD projectors vs. comparable top-selling 1-chip DLP projectors based on NPD sales data for October 2019 – September 2020. COLOR BRIGHTNESS WILL VARY BASED ON USAGE CONDITIONS. | ³ 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. | ⁴ Comparison based on projectors rated at 10,000 lumens. Lumens, size and weight based on the manufacturers' online specifications and industry-available data as of February 2021. | ⁵ No required maintenance for the light source and filter 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. | ⁶ NFC requires use of a device that includes NFC and may require additional software. | ⁷ Using separate camera for each projector. | ⁸ Requires Epson external camera or built-in camera for each projector and the Epson Projector Professional Tool app. | ⁹ HDR performance available with select third-party devices. For more information, see www.epson.com/hdrcompatibility | ¹⁰ Internet connection required for download. Data usage fee may apply.

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