EPSON®

PRO SERIES | 4Ke

Premium Large Venue Projectors | 6,000 – 10,000 Lumens

EPSON

EB-PU1000 & EB-PU2000 SERIES

Interchangeable Lens Projectors with 4K Enhancement

Introduction to Biotechnology

The technology in modern medicine.

All projected images in this brochure are simulated.

IMPACTFUL

EPSON

COMPACT, POWERFUL, VERSATILE

The EB-PU1000/2000 Series are Epson's most compact interchangeable lens laser projectors. Available at 6,000 to 10,000 lumens[1], they combine advanced installation features with bright, detailed imagery in a minimalist, discreet design to offer sharp, true-to-life images and fit seamlessly into virtually any environment.

- 4K Enhancement Technology for up to 4.6 million pixels on-screen[2]

- 3-chip 3LCD technology for full color brightness

- High native contrast ratio and BT.709 color space

- Up to 11 optional interchangeable lenses

- Virtually maintenance-free laser light source of up to 20,000 hours[3]

- NFC function for faster installations[4]

- Optional PixAlign™ attachable camera for auto color calibration and multi-projector blends

THE EPSON® ADVANTAGE

3LCD Technology and Laser Light Source

Epson is the first projector manufacturer to combine inorganic 3LCD panels with an inorganic phosphor wheel engineered to achieve higher brightness and reliability. Featuring a lamp-free laser light source, EB-PU1000/2000 Series projectors offer numerous advantages:

- Virtually maintenance-free solid-state laser light source and electrostatic air filter—up to 20,000 hours[3]

- 3-chip architecture assigns one chip to process each primary color continuously, unlike single-chip technology that delivers colors sequentially

- A dynamic contrast ratio up to 2,500,000:1 and a wide color gamut for accurate color rendition

- Balanced, high-quality images and performance you can count on for an array of applications

LD Package

Inorganic Phosphor Wheel

LASER
LIGHT SOURCE

Inorganic 3LCD Panels
(Red/Green/Blue)

Long-Life Electrostatic Air Filter
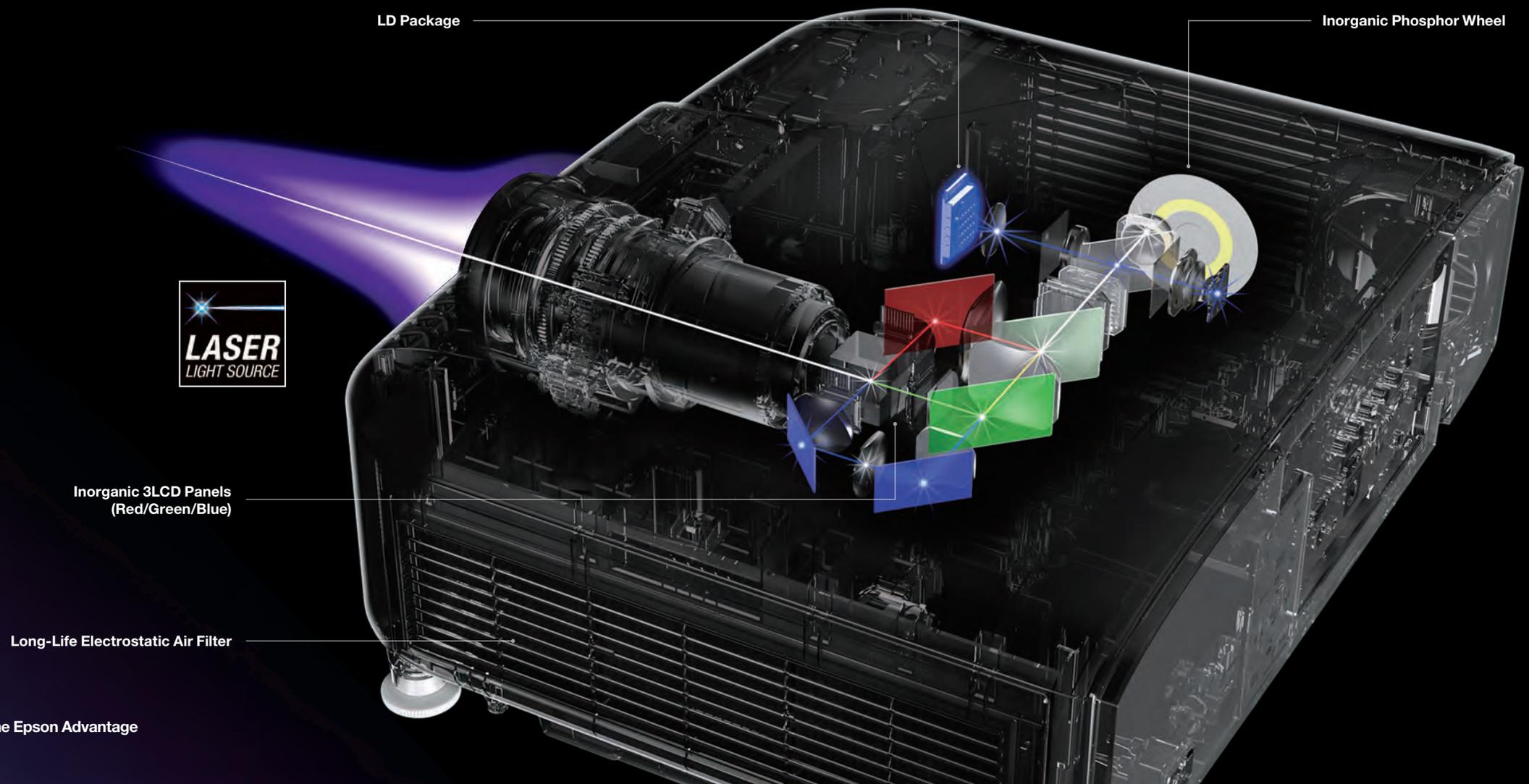
BRILLIANT IMAGE QUALITY

Designed to deliver brilliant, uncompromising image quality for even the most demanding environments, Epson EB-PU1000/2000 Series laser projectors provide true-to-life color reproduction with incredible, precise detail. Featuring 3LCD technology, they offer both high color brightness and high white brightness. And they're backed by over 25 years of road-tested reliability.

Color Modes

Choose from an array of color modes for an optimized viewing experience. Color modes include BT.709, Natural, Dynamic, Presentation, Cinema, DICOM® Simulation[5] and Multi-Projection.

Wide Color Gamut

Color gamut is the range of colors a projector is capable of reproducing. When the color gamut of a projector is small, colors will be displayed far less accurately.

4K ENHANCEMENT TECHNOLOGY

Revolutionary 4K Enhancement Technology[2] accepts 4K input, allowing viewers to experience the most intricate details. This feature also enhances the 1080p signal for output that surpasses Full HD image quality on-screen without visible stair-stepping or pixel gaps. From tiny text to the smallest architectural feature, you'll see every incredible detail.
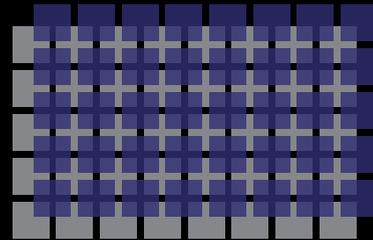
Pixel Scaling

4K Enhancement Technology[2] shifts each pixel to double Full HD resolution on-screen.

4K Enhancement Technology[2] off

4K Enhancement Technology[2] on

HIGH DYNAMIC RANGE SUPPORT

EB-PU1000/2000 Series projectors support HDR-encoded content[6] (HDR10 and Hybrid Log-Gamma) for dynamic output over a broad tonal range with minimal white or black spotting.

SDR (standard dynamic range)

HDR (high dynamic range)

All projected images in this brochure are simulated.

HIGH CONTRAST

Epson employs technology cultivated from its experience in developing home cinema projectors. A special optical device is used to adjust polarization and achieve high-contrast image projection. Truly dark shades of black can be reproduced in dark projection environments.

Special optical parts

Without special optical parts

With special optical parts

LCD panel

Special optical parts

LCD panel
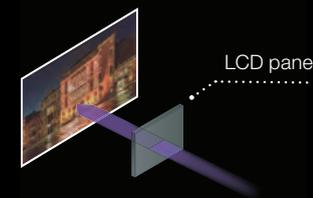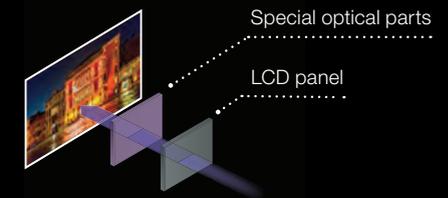
SCENE ADAPTIVE GAMMA CORRECTION

Image quality is adjusted according to the content with Epson's scene adaptive gamma correction, which analyzes images frame by frame and automatically adjusts the gamma level to project at the optimum contrast. Natural-looking images are achieved by controlling crushed blacks in dark scenes and clipped whites in bright scenes.

Off

On

Off

On
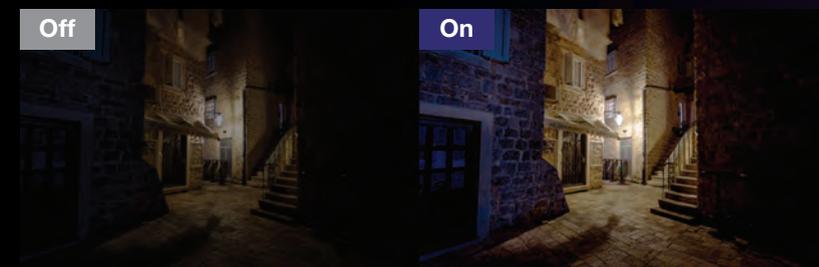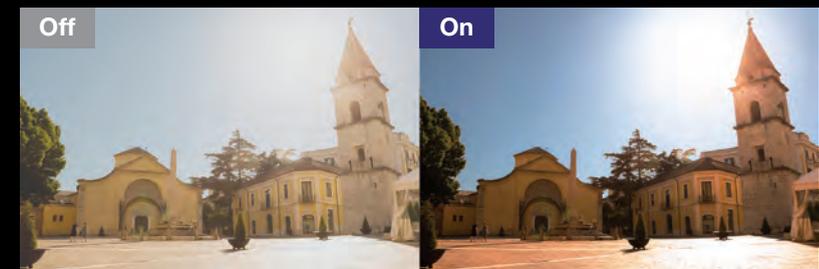
WIDE SELECTION OF POWERED LENSES

Up to 11 Lenses to Choose From

The EB-PU1000/2000 Series offer increased installation flexibility that allows users to choose the motorized lens best suited for their environment. Choose from a variety of lens ranges, including ultra short throw, short throw, middle throw and long throw. A tool-free, quick-release lever enables fast, easy lens exchange.

Epson's single-lens family supports projectors from 6,000 to 20,000 lumens[1]. These high-quality powered lenses are built under very strict quality control guidelines and support 4K high-resolution images.

For details, visit epson.com/projectorlenses

6,000-, 7,000- and 8,500-Lumen Projectors[1]

Lens	Part Number	Product Code	Wide – Tele	Throw Ratio Range
Ultra Short*	ELPLX01S	V12H004X0A	0.35	
Short #1	ELPLU03S	V12H004UA3	0.65 – 0.78	
Short #2	ELPLU04	V12H004U04	0.87 – 1.05	
Wide #1	ELPLW05	V12H004W05	1.04 – 1.46	
Wide #2	ELPLW06	V12H004W06	1.62 – 2.22	
Wide #3	ELPLW08	V12H004W08	1.16 – 1.63	
Middle #1	ELPLM08	V12H004M08	1.44 – 2.32	
Middle #2	ELPLM15	V12H004M0F	2.16 – 3.48	
Middle #3	ELPLM10	V12H004M0A	3.32 – 5.06	
Middle #4	ELPLM11	V12H004M0B	4.85 – 7.38	
Long	ELPLL08	V12H004L08	7.21 – 10.11	

* Also available in white (ELPLX01WS).

10,000-Lumen Projector[1]

Lens	Part Number	Product Code	Wide – Tele	Throw Ratio Range
Ultra Short*	ELPLX02S	V12H004X0B	0.35	
Short #1	ELPLU03S	V12H004UA3	0.48 – 0.57	
Short #2	ELPLU04	V12H004U04	0.64 – 0.77	
Wide #1	ELPLW05	V12H004W05	0.77 – 1.07	
Wide #2	ELPLW06	V12H004W06	1.19 – 1.62	
Wide #3	ELPLW08	V12H004W08	0.86 – 1.21	
Middle #2	ELPLM15	V12H004M0F	1.57 – 2.56	
Middle #3	ELPLM10	V12H004M0A	2.42 – 3.71	
Middle #4	ELPLM11	V12H004M0B	3.54 – 5.41	
Long	ELPLL08	V12H004L08	5.27 – 7.41	

* Also available in white (ELPLX02WS).

ZERO-OFFSET ULTRA SHORT THROW LENS

This lens is especially useful in environments with extremely limited lens-to-screen distances. The ultra short throw ratio of 0.35 with zero offset lets you project onto large screens from just inches away, and the steep angle of light from the lens accommodates close interaction with the display and minimizes shadows.

- Ideal for space-constrained environments—projects large images from a short distance away

- Easy installation in narrow spaces and rear-projection applications—0.35 throw ratio

- Positioning flexibility—wide lens shift for more options when installing the projector

- Large-screen projection—up to 1,000" with the ELPLX02S lens
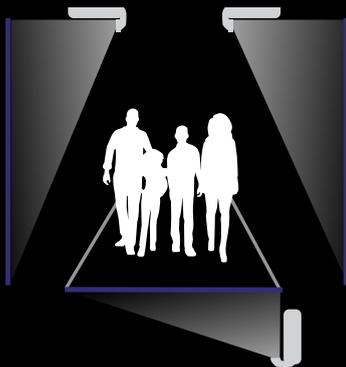
Front projection from above and rear projection from below the floor surface create an immersive experience.

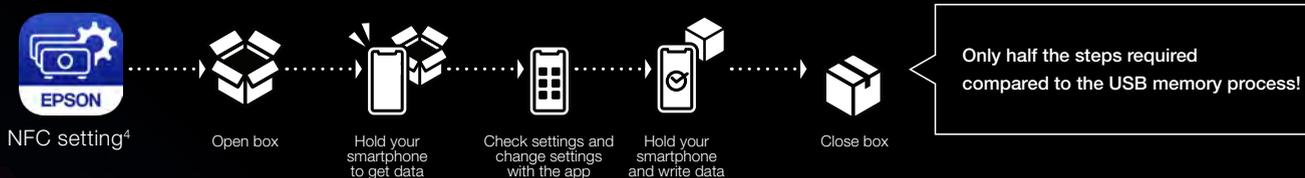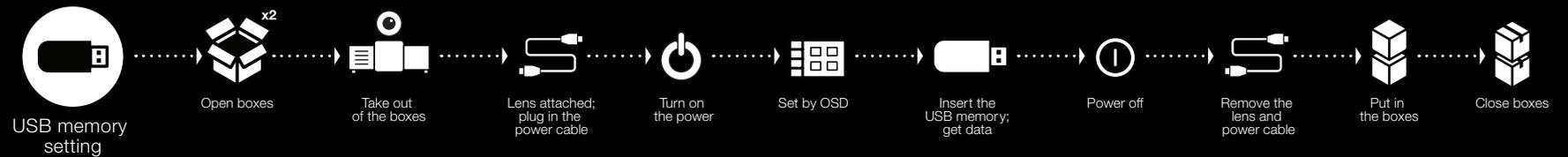Project from above or below for a dynamic window display.

NFC TECHNOLOGY

Epson Projector Configuration Tool[7]

NFC technology[4] allows for communication between EB-PU1000/2000 Series projectors and a mobile device even when the projector is off, making it easy to manage and check settings from the Epson Projector Configuration Tool app[7] for iOS® and Android™. Initial settings* can be preset at the warehouse before delivery, thus helping to reduce the labor involved in commissioning a large number of projectors.

* Some settings are not supported; please refer to User's Guide for details.

Initial setting comparison of using USB memory vs. Epson Projector Configuration Tool[7] in warehouse

USB memory setting → Open boxes → Take out of the boxes → Lens attached; plug in the power cable → Turn on the power → Set by OSD → Insert the USB memory; get data → Power off → Remove the lens and power cable → Put in the boxes → Close boxes

NFC setting[4] → Open box → Hold your smartphone to get data → Check settings and change settings with the app → Hold your smartphone and write data → Close box

Only half the steps required compared to the USB memory process!

BUILT-IN MEDIA PLAYER AND OVERLAY EFFECTS

USB memory support lets you project USB-stored images and video without using a PC or dedicated external media player. You can add color filters, shape filters and more on top of your projected image to create a diverse range of visual effects.

Epson Projector Content Manager

This free software for Windows® allows you to combine image files, such as photos and videos, into playlists and save them on a network drive, USB or an SD card.

Powerful tools in the application provide for playlist scheduling and help enhance production value. The tools include custom filters that modify color, shape and brightness, effects such as overlays, intervals and transitions, and the ability to schedule playlists and simultaneous playback across multiple projectors.

Content playback

Original Content

Color Filter

Shape Filter

Projection
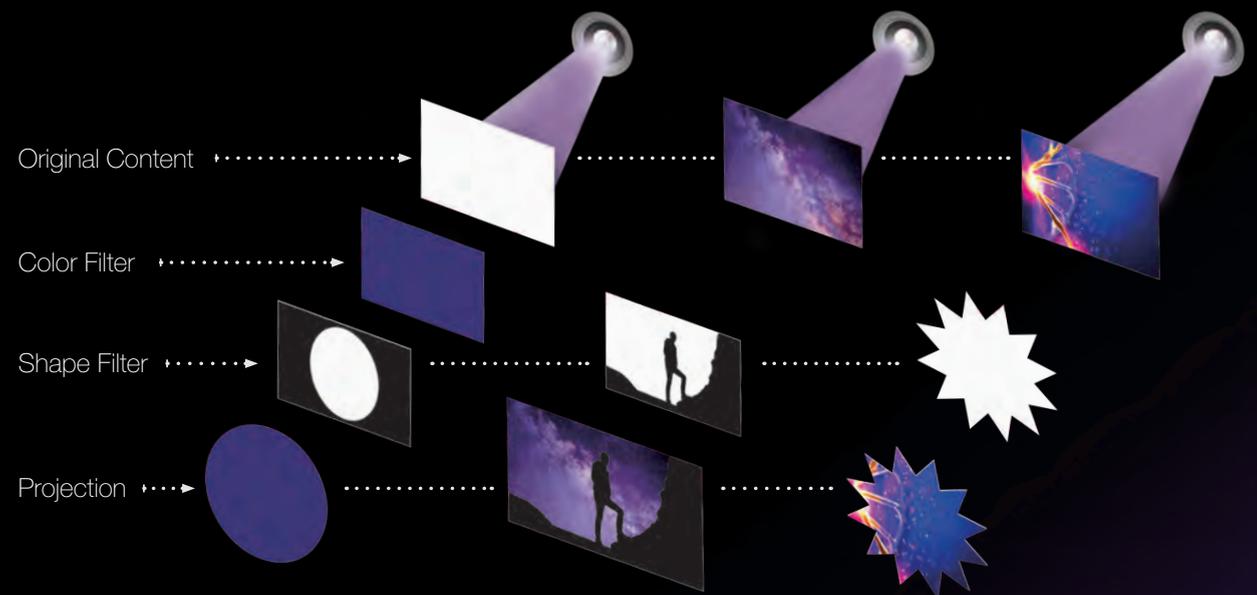
OPTIONAL PIXALIGN CAMERA PROVIDES POWERFUL TOOLS

Easily create bright, beautiful and seamless displays. Epson's optional PixAlign camera provides access to an advanced toolset that makes previously time-consuming and complex applications quick and simple.

- Geometry Assist for Blending[8]—project one large image by blending up to two projectors without a PC and up to 15 projectors with a PC using the Epson Projector Professional Tool (EPPT) application[9]

- Geometry Assist for Stacking[8]—project one large image by stacking up to two projectors without a PC and up to six projectors with a PC using the EPPT application[9]

- Screen Matching[10]—use to automatically adjust color and brightness inconsistencies across multiple projectors; this tool is also helpful for edge blends

- Auto Color Calibration—color and brightness adjustment of a single projector

- Remote Camera Capture—great for remote tech support

- Stacking and Blending Functions[8]—achieve a super bright, blended image

- Curved Screen[8]—concave and convex screen support with up to 15 projectors

The PixAlign camera (ELPEC01) also supports the ELPLX01S and ELPLX02S ultra short throw lenses by attaching to the top of the lens.

Optional camera mounted to front of projector

Optional camera mounted to ultra short throw lens

SCREEN MATCHING AND AUTO COLOR CALIBRATION

GEOMETRY CORRECTION ASSIST FOR BLENDING

GEOMETRY CORRECTION ASSIST FOR STACKING

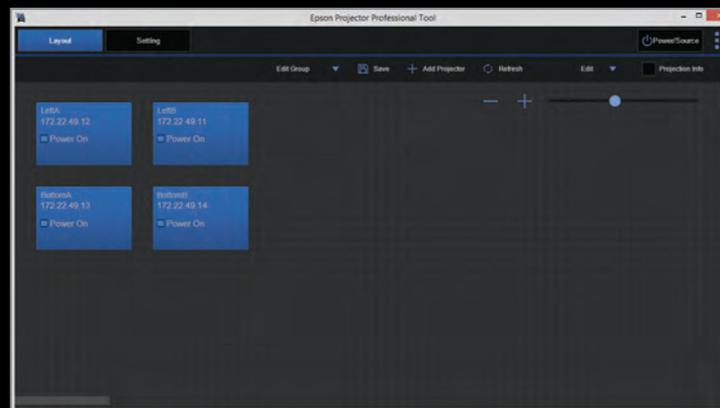Before Geometry Correction
Assist for Stacking[8]

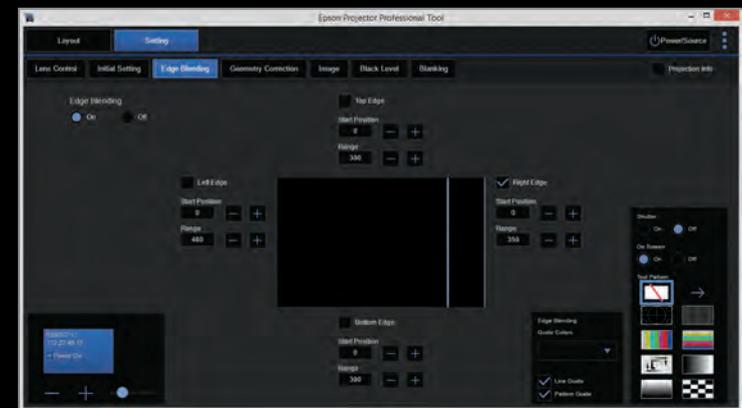With Geometry Correction
Assist for Stacking[8]

All projected images in this brochure are simulated.

EPSON PROJECTOR PROFESSIONAL TOOL

Easily manage the setup of multiple Epson networked projectors in a single, large space with the Epson Projector Professional Tool (EPPT)[9]. This intuitive application makes adjustment simple. Easily access advanced tools like geometry correction and edge blending. EPPT supports wired and wireless networks and can be downloaded at no charge from Epson's website. Available for Windows and macOS®.
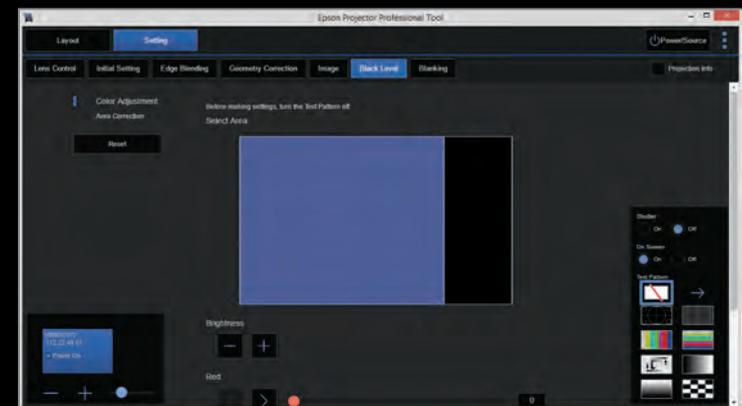

Projector layout

Edge blending
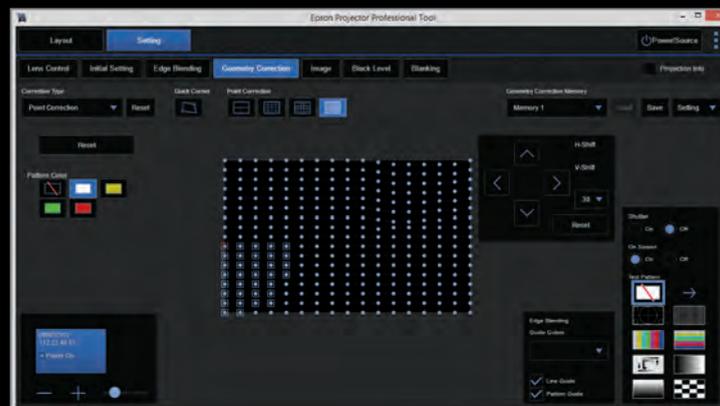
Geometry correction

Black level

SEAMLESS INTEGRATION TOOLS

Compatible with Leading Control Systems

EB-PU1000/2000 Series projectors are compatible with Crestron Connected®, AMX®, Extron® XTP® and DMX Art-Net to ensure easy integration with existing systems.

Emulation Mode[11]

Easily integrate your Epson EB-PU1000/2000 Series projector into existing networked projection control systems using Emulation Mode[11], which allows the projector to accept Sony®, Panasonic®, Mitsubishi®, Sanyo® and NEC® codes. Simply install the projector and choose the control setting that you want the projector to emulate. This convenient feature reduces the time and cost of installation, as installers do not have to reprogram the system with Epson codes.

ADVANCED CONNECTIVITY OPTIONS

Diverse Connectivity, Including HDBaseT®

Connect with virtually any system—EB-PU1000/2000 Series projectors include HDBaseT, HDMI®, DVI-D, VGA and LAN inputs. SDI input and output are standard on the 10,000-lumen[1] EB-PU2010 projector. HDBaseT technology simplifies installation with just one CAT-5/6 cable, carrying Full HD video, audio, network and control commands.

SDI in/out only available on EB-PU2010 projector.

HDMI CEC

If a connected device supports the HDMI CEC standard, there is a function for linking to HDMI, which enables the linked operation of power on/off, among other key functions.

Seamless Operation

Wake-on signal detection ensures the projector turns on when the content source is activated.

Wireless Connectivity[12]

You can connect either to a wireless network (infrastructure) or to an ad hoc (peer-to-peer) wireless computer or mobile device using the Epson iProjection™ app[13]. Optional wireless module sold separately.

WIDE LENS SHIFT

The motorized lens shift covers a wide range, giving you a great deal of flexibility when installing the projector. A newly adopted stepping motor lets you make highly precise adjustments when employing edge blending, stacking[8] and other techniques. Adjustments can be made via remote control or over a network, enhancing usability even for ceiling-mounted projectors.

- ±67% vertically, ±30% horizontally for EB-PU1000 Series with ELPLM08.

- ±60% vertically, ±18% horizontally for EB-PU2000 Series with ELPLM15.

30% (max.)   30% (max.)

67% (max.)

67% (max.)

Lens Shift Range
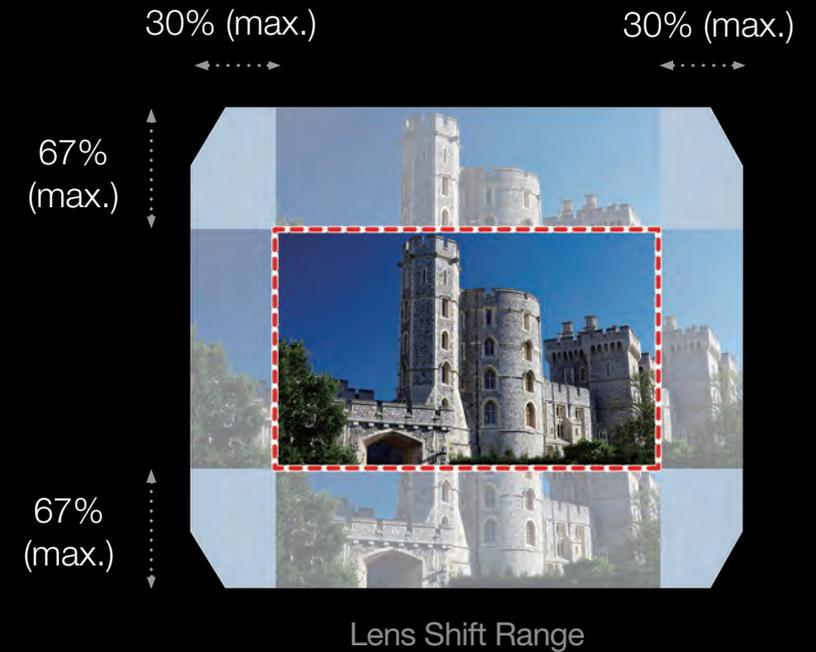
EXTEND THE AIR FILTER'S MAINTENANCE CYCLE

Protect the projector in dusty environments with the ELPAF63 external air filter. The filter offers a maintenance cycle up to 20,000 hours[3] in dusty environments, such as crowded museums or busy expos. A convenient, easy-to-install solution, the ELPAF63 easily attaches to the projector for an extended filter maintenance cycle compared to the projector's standard air filter. This filter is ideal for high-ceiling or remote installations where air filter maintenance is difficult.

MANAGEMENT AND CONTROL

Epson Projector Management Connected (EPM-C)[14]

Take control of your Epson projectors by remotely monitoring and controlling multiple projectors on a network using any device with a Web browser[15], all through a simple and easy-to-use interface.

- Monitor a projector's basic information remotely from a supported Web browser, easily managing several projectors across different facilities at once

- Receive warning and error messages through email notifications, allowing prompt response to a projector error or warning—even when you're not on-site

- Control crucial functions remotely, such as turning the project power on or off, activating the A/V Mute feature and switching between input sources

- Manage an unlimited number of projectors and view vital usage metrics; monitor the same projectors at the same time from different devices

Epson Projector Management (EPM)[14], a dedicated non-cloud application for Windows computers, is also available.
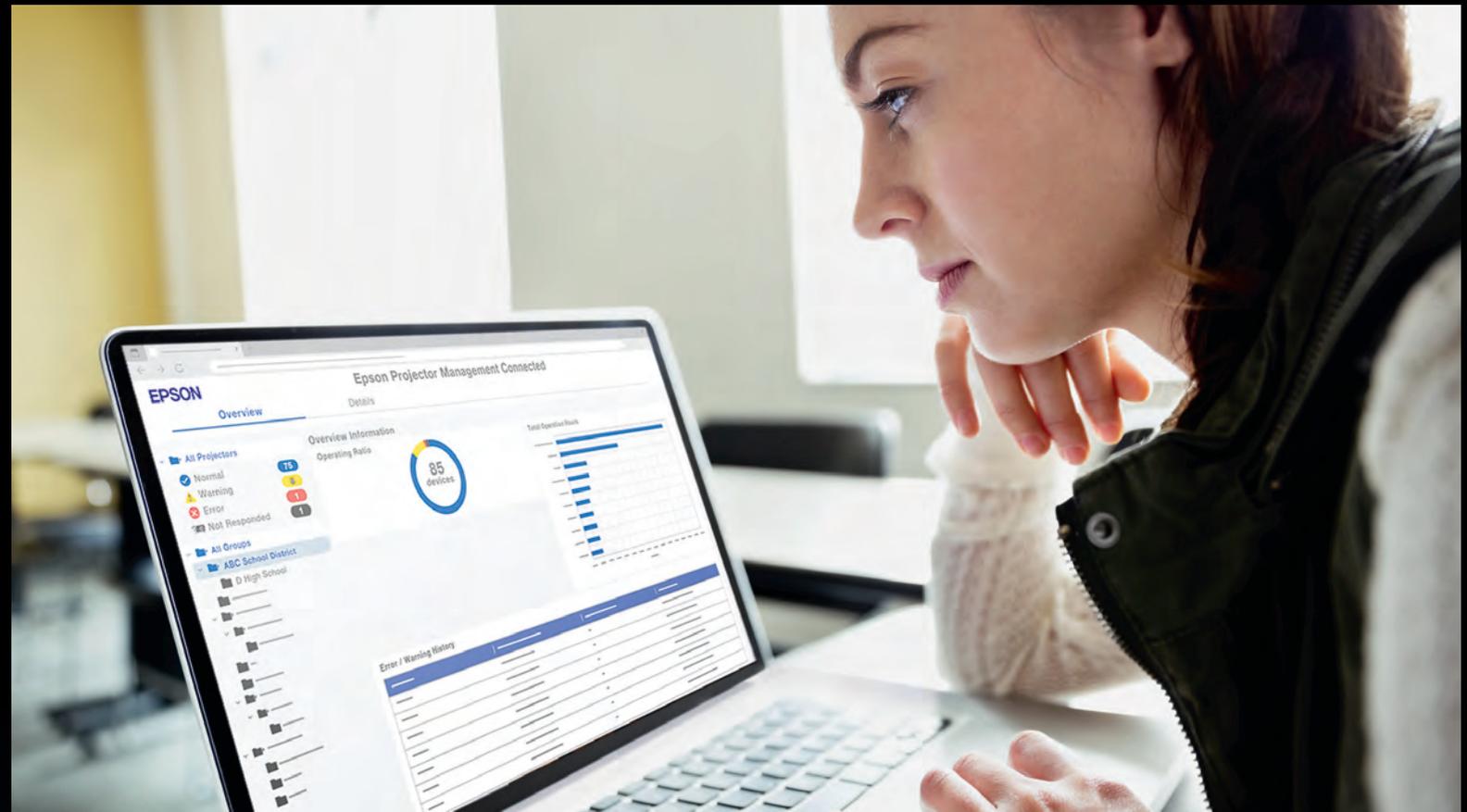
Network Projection—Content over IP

Use Epson iProjection with mobile devices[13]—such as Android phones and tablets, iOS devices (iPhone®/iPad®) and Chromebooks (running Chrome™ with Android OS)—to display your computer screen through the projector, via a network, for effective meetings, presentations and digital signage applications. You can use either wired or high-security wireless LAN connections and project the same image—or as many as four different images—on up to four projectors, or display a panoramic image.

Full Networkability

Epson network projectors can also be accessed from your browser via an internal webpage. Whether you assign a static IP address or enable DHCP, the projector becomes accessible once it's integrated into your network. The internal webpage lets you control items such as network configuration, projector settings and email alerts.

Message Broadcasting[16]

This innovative feature enables you to broadcast customized images/alerts over the network for announcements or instructions. Messages can be sent to up to 2,048 projectors simultaneously and will overwrite the current screen content if the projector is being used, unless this function is disabled by the presenter. If the projector is off, Message Broadcasting[16] will turn the projector on and then display the message. Available via Epson Projector Management for Windows.

EB-PU1000/2000 SERIES PRODUCT SPECIFICATIONS

MODEL	EB-PU1006W	EB-PU1007W	EB-PU1007B	EB-PU1008W	EB-PU1008B	EB-PU2010W	EB-PU2010B
Product Code	V11HA35920	V11HA34920	V11HA34820	V11HA33920	V11HA33820	V11HA52920	V11HA52820
Case Color	White	White	Black	White	Black	White	Black
Lens Included	No						
Limited Warranty: Next-Business-Day Whole Unit Exchange[17]	3-year						
General Features							
Color Brightness (Color Light Output)[1]	6,000 lumens	7,000 lumens	7,000 lumens	8,500 lumens	8,500 lumens	10,000 lumens	10,000 lumens
White Brightness (White Light Output)[1]	6,000 lumens	7,000 lumens	7,000 lumens	8,500 lumens	8,500 lumens	10,000 lumens	10,000 lumens
Native Resolution[18]	WUXGA with 4K Enhancement[2] (1920 x 1200 x2)						
Aspect Ratio	4:3, 16:10, 16:9, 21:9						
Contrast Ratio	Up to 2,500,000:1						
Illumination Technology	Laser Phosphor						
Light Source Life[3]	20,000 hours						
Split Screen[19]	Yes						
Edge Blending	Yes						
Scheduling Function	Yes						
Weight (Without Lens)	34.2 lb	35.9 lb	35.9 lb	35.9 lb	35.9 lb	37.0 lb	37.0 lb
Power Consumption (100 V – 120 V)	384 W	448 W	448 W	559 W	559 W	559 W	559 W
LAN Networking and Control							
Wired	RJ-45 (content over IP)						
Wireless	Optional with ELPAP10 unit						
Compatible Control Systems	Crestron Connected, AMX, Extron XTP, DMX Art-Net						
Message Broadcasting[16]	Yes						
Epson iProjection[13]	Yes						
Connections							
HDMI	Yes						
HDBaseT	Yes						
DVI-D	Yes						
VGA	Yes						
3G-SDI In/Out	No					Yes	Yes
Variable Audio Out	Mini Stereo x 1						
USB 2.0 Connectors	Type-B x 1 (for firmware update, copy OSD settings) / Type-A x 1 (for Wireless LAN Module, service, content playback)						
Monitor Out	Mini D-Sub 15-Pin x 1						
Serial Control	Serial: RS-232c x 1						
Recommended Accessory 1	Projector Ceiling Mount, ELPMB67 (V12HA54010)						
Recommended Accessory 2	External Air Filter, ELPAF63 (V13H134AD0)						
Recommended Accessory 3	Wireless LAN Module (V12H731P02)						

DIMENSIONS

21.5"

6.5"

21.7"
With Cover

17.2"
Without
Cover

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SELECT ACCESSORIES

Ceiling Mount
(ELPMB67)

Suspension Adapter
(ELPFP15)

PixAlign External Camera
(ELPEC01)

External Air Filter
(ELPAF63)

EPSON®

EPSON BUSINESS SOLUTIONS

Epson is a leading provider of innovative technology solutions that help businesses succeed. We partner with you to best meet your specific needs, focusing on:

- Improved productivity
- World-class customer service and support
- Cost-effective, high-quality solutions
- A commitment to the environment

Discover how Epson can help you work toward the future at **www.epson.com/forbusiness**

3LCD

Epson
PRO
Series

Caution: Class 2 laser product. Do not stare into the beam.

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 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/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.
4   NFC requires use of a device that includes NFC and may require additional software.
5   This projector does not meet the DICOM standard Part 14 and should not be used as a medical diagnostic device.
6   HDR performance available with select third-party devices. For more information, see www.epson.com/hdrcompatibility
7   Epson Projector Configuration Tool app for Android and iOS. Internet connection required for download; data usage fee may apply.
8   Requires Epson camera for each projector and the Epson Projector Professional Tool app.
9   Mac® and PC only.
10 Using separate camera for each projector.
11 Emulation Mode is limited to certain code sets and may not support all codes.
12 See Users Guide for more information on ways to display wirelessly to the projector.
13 For wireless functionality, including via the Epson iProjection App, the projector must be configured on a network, either through the Ethernet port on the projector (check model specifications for availability) or via a wireless connection. Check your owner's manual to determine if a wireless LAN module must be purchased separately to enable a wireless connection. Not all Epson projectors are able to be networked. The Epson iProjection App does not support all files and formats. See www.epson.com for details.
14 Internet connection required for download. Data usage fee may apply.
15 Requires one on-site PC with Epson Projector Connected Agent installed.
16 Works only with Epson projectors that support presentation over the network capability. Only available with Epson Projector Management for Windows.
17 Expedited shipping not available in all areas. Orders must be placed and processed by 1 p.m. Pacific Time for Next-Business-Day delivery.
18 WUXGA (1920 x 1200).
19 Split Screen feature requires remote control. Consult your user manual for input combinations.