

PowerLite[®] Pro Z9870UNL WUXGA 3LCD Projector

Projectors

Large Venue



Projector shown with lens.
Lens sold separately.

The bright, large-venue installation projector with Full HD performance.

3x Brighter Colors¹, and reliable performance — 3LCD, 3-chip technology

One measurement of brightness is not enough — look for both high color brightness and high white brightness. The PowerLite Pro Z9870UNL has:

Color Brightness: 8700 lumens²

White Brightness: 8700 lumens²

Widescreen performance — native WUXGA (1920 x 1200) resolution supports Full HD for presentations, videos, digital signage and more

Seven optional lenses with lens shift — including short-, wide-, rear- and long-throw lenses designed with a change-out lever for easy installation

Flexible installation for an immersive experience in any setting — built-in Curved Edge Blending, Portrait Mode projection, and 360-degree installation

Get twice the brightness and power — optional stackable frame makes it easy to install two projectors for unbelievable brightness, plus 3D support

Versatile connectivity — supports the latest connectivity options, including HDBaseT[™], HDMI[™], DVI and 3G-SDI

Dual-lamp design with lamp select/relay function — get both power savings and projector redundancy; includes an innovative liquid cooling system for added reliability



Specifications

Projection System High-aperture Epson® 3-chip, 3LCD technology
Projection Method Front/rear/ceiling mount
LCD Driving Method Epson Poly-silicon TFT Active Matrix
Pixel Number 2,304,000 pixels x 3LCDs
Color Brightness²
 Color Light Output: 8700 lumens
White Brightness²
 White Light Output: 8700 lumens
Aspect Ratio Native 16:10, (supports 4:3, 16:9, 5:4)
Native Resolution WUXGA (1920 x 1200)
Contrast Ratio (Normal, Dynamic Mode) Up to 15,000:1
Color Reproduction 1.07 billion colors
Lamp Type
 Normal: 380 W x 2 UHE
 Portrait: 304 W x 2 UHE
Lamp Life³
 Normal: Up to 4000 hours (ECO Mode)
 Up to 2500 hours (Normal Mode)
 Portrait: Up to 1000 hours (Normal Mode)
Brightness Uniformity (typical) 90%
Pixel Arrangement Cross stripe

Projection Lens

Screen Throw Ratio Range 1.74 – 2.82 (standard lens)
Size (projected distance) 60" – 500"
Type Powered zoom/focus
F-number 1.65 – 2.51 (standard lens), lens not included
Focal Length 36 mm – 57.35 mm (standard lens)
Zoom Ratio Optical zoom 1 – 1.61 (standard lens)
Lens Shift (powered)
 Vertical: ±60%
 Horizontal: ±18%
Keystone Correction
 Vertical: -30 degrees to +30 degrees
 Horizontal: -30 degrees to +30 degrees

Video

Video Standards
 Analog: NTSC/NTSC4.43/PAL/M-PAL/N-PAL/PAL60/SECAM
 HDMI: 480i/576i/480p/576p/720p/1080i/1080p
 DVI-D: 480i/576i/480p/576p/720p/1080i/1080p
 SD-SDI: 480i/576i
 HD-SDI: 720p/1080i/1080p@30
 3G-SDI: 1080p@60
 SDI: 480i/576i

Video Processing 3D Y/C separation, 3D noise reduction, mosquito noise reduction
 DCDi® – Directional Correlational Deinterlacing
 Motion-compensated Interlace-Progressive conversion (2:2, 3:2 film detection)

Super Resolution

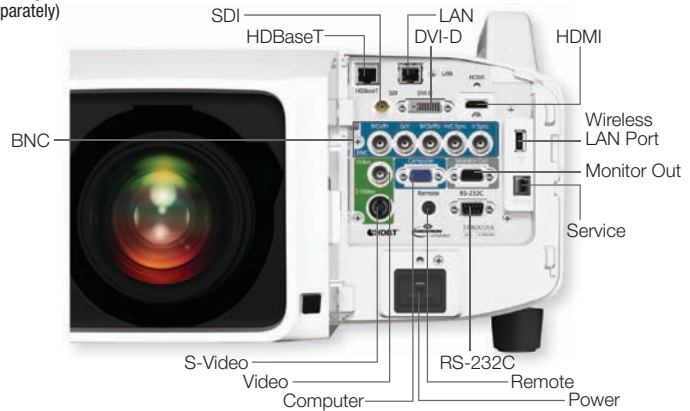
FineFrame™ interpolation
 8:8 Pull-down processing
 Closed captioning

Networking

Connectivity
 Wired: Integrated 100 Mbps
 Wireless Security: WPA-PSK (TKIP/AES) / WPA2-PSK (TKIP/AES)
E-mail Notification Via network
Message Broadcasting SNMP
Web Control Secure HTTP

Interfaces

Wireless LAN port: 802.11 b/g/n (optional – module sold separately)



Networking (continued)

Remote Control and Management

EasyMP® Monitor, network projection, multi-projection, AMX® Device Discovery, Crestron® Integrated Partner and Crestron RoomView®, Extron® IP Link and XTP, PJLink

Other Features

Operating Temperature

32 ° to 122 °F (0 ° to 50 °C) — Normal
 32 ° to 104 °F (0 ° to 40 °C) — Above 4900 feet

Power Supply Voltage 100 – 240 V ±10%, 50/60 Hz AC

Power Consumption

821 W (ECO Mode)
 995 W (Normal Mode)
 2.7 W standby (Communication on)
 0.26 W standby (Communication off)

Fan Noise

35 dB (ECO Mode)
 48 dB (Normal Mode)

Security Kensington®-style lock provision, anchor (metal) bar for security lock or cable, handles attached to body for cable wrap

Dimensions (W x D x H)

Including Feet (with standard lens) 29.17" x 21.01" x 10.04"

Excluding Feet (with standard lens) 29.17" x 21.02" x 7.76"

Weight 58 lb with standard lens

Remote Control

Features Brightness, contrast, tint, saturation, sharpness, input signal, sync, tracking, position, zoom, focus, lens shift, shutter, ID, source search, split screen

Operating Angle

Front: Right/left ± 60 degrees
 Upper/lower -45 to +15 degrees
 Rear: Right/left ± 60 degrees
 Upper/lower -40 to +15 degrees

Operating Distance 98 ft

ECO Features

RoHS compliant
 Recyclable product⁴
 Epson America, Inc. is a SmartWaySM Transport Partner⁵

Support

The Epson ConnectionSM

Pre-sales support U.S. and Canada 800-463-7766
 Internet website www.epson.com

Projector Programs

Three-year projector limited warranty, 90-day limited lamp warranty, Epson Road Service Program and PrivateLine® dedicated toll-free support (U.S. and Canada only)

What's in the Box

PowerLite Pro Z9870UNL projector, power cable, computer cable, projector remote control, batteries, user manual CD, Quick Setup Sheet, monitor and control CD

Ordering Information

Product Name

PowerLite Pro Z9870UNL projector

Product Code

V11H611920

Accessories

Standard zoom lens (ELPLS04)	V12H004S04
Long-throw zoom lens (ELPLL07)	V12H004L07
Middle-throw zoom lens 1 (ELPLM06)	V12H004M06
Middle-throw zoom lens 2 (ELPLM07)	V12H004M07
Rear-projection wide lens (ELPLR04)	V12H004R04
Wide zoom lens (ELPLW04)	V12H004W04
Short-throw zoom lens (ELPLU02)	V12H004U02
Mount Installation frame (ELPMB44)	V12H681010
Flush ceiling mount bracket	V12H003B25
Mount bracket with extended pipe	V12H003B26
False ceiling plate kit	ELPMBP02
Wireless LAN module	V12H418P12
Kensington security lock	ELPSL01
Hardware remote control cable set	V12H005C28
Replacement remote control	2157388
Replacement lamp single (ELPLP81)	V13H010L81
Dual lamp kit (lamp x 2) (ELPLP82)	V13H010L82
Replacement portrait lamp single (ELPLP83)	V13H010L83
Dual lamp kit (lamp x 2) (ELPLP84)	V13H010L84
Replacement air filter set (ELPAF46)	V13H134A46

Better Products for a Better FutureSM
eco.epson.com



1 Compared to leading 1-chip DLP business and education projectors based on NPD data, July 2011 through June 2012. Color brightness (color light output) measured in accordance with IDMS 15.4. Color brightness will vary depending on usage conditions.
 2 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.
 3 Lamp life will vary depending upon mode selected, environmental conditions and usage. Lamp brightness decreases over time.
 4 See our website for convenient and reasonable recycling options at www.epson.com/recycle
 5 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

EPSON, EasyMP and PowerLite are registered trademarks, EPSON Exceed Your Vision is a registered logomark and Better Products for a Better Future is a trademark of Seiko Epson Corporation. PrivateLine is a registered trademark, FineFrame is a trademark and Epson Connection is a service mark of Epson America, Inc. SmartWay is a service mark of the U.S. Environmental Protection Agency. All other product and brand names are trademarks and/or registered trademarks of their respective companies. Epson disclaims any and all rights in these marks. Copyright 2014 Epson America, Inc. Com-SS-Oct-13 CPD-41394 6/14