EPSON®
EXCEED YOUR VISION

PowerLite® Pro Z9870NL XGA 3LCD Projector

Projector shown with lens.
Lens sold separately.

The bright, flexible installation projector for large venues

3x Brighter Colors,[1] 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 Z9870NL has:
   Color Brightness: 8700 lumens[2]
   White Brightness: 8700 lumens[2]

Brilliant images — native XGA (1024 x 768) resolution 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™ and DVI

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

3x Brighter Colors with Epson® Projectors[1]

3LCD

The best-selling projectors #1 Epson Projectors in the world

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 Brightness[2]
Color Light Output: 8700 lumens
White Brightness[2]
White Light Output: 8700 lumens
Aspect Ratio Native 16:10, (supports 4:3, 16:9, 5:4)
Native Resolution XGA (1024 x 768)
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 Life[3]
Normal: Up to 4000 hours (ECO Mode)
          Up to 3000 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: ±56%
Horizontal: ±19%
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
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: Optional – 802.11b/g/n
Wireless Security: WPA-PSK (TKIP/AES) / WPA2-PSK (TKIP/AES)
E-mail Notification Via network
Message Broadcasting SNMP
Web Control Secure HTTP
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

Interfaces

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
748 W (ECO Mode)
844 W (Normal Mode)
2.7 W standby (Communication on)
0.26 W standby (Communication off)
Fan Noise
35 dB (ECO Mode)
37 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 product[4]
Epson America, Inc. is a SmartWay℠ Transport Partner[5]

Support

The Epson Connection℠
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 Z9870NL projector, power cable, computer cable, projector remote control, batteries, cable cover, user manual CD, Quick Setup Sheet, PrivateLine support card, password protection sticker, monitor and control CD

Ordering Information

PowerLite Pro Z9870NL projector	V11H607920
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 zoom lens (WLPLU02)	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	1558838
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

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SmartWay℠
Transport Partner
Getting There With Cleaner Air

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.
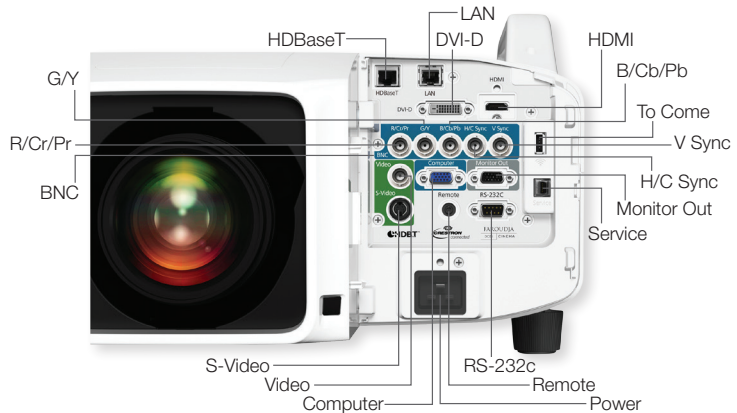
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