

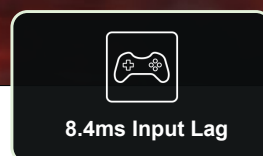
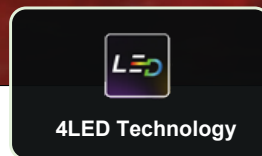
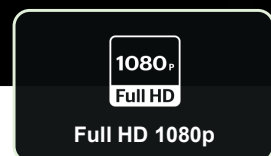


NEW

HL31LV

Full HD 1080p 4LED Projector

Enjoy big-screen movies, streaming content, live sports, gaming and presentations with vibrant Full HD image quality and long-life 4LED performance. The HL31LV delivers up to 3,500 lumens of brightness, responsive gaming performance, and up to 30,000 hours of maintenance-free operation- made for the ideal projector for homes, offices and shared spaces.



BRIGHT, COLORFUL. READY FOR EVERYDAY VIEWING.

Key Benefits



3,500 Lumens High Brightness*

Delivers clear, vibrant images for entertainment and meeting spaces.



Advanced 4LED Technology

Produces rich, accurate colors while delivering consistent image quality and improved energy efficiency.



Full HD 1080p Resolution

Sharp and detailed images perfect for movies, sports, presentations and streaming.

Long-lasting & Reliable



Durable and Reliable

Up to 30,000 hours of long-life performance.



Flexible Installation

360° operation, 1.1x zoom, keystone correction and 24/7 operation for versatile placement and use.



Low Input Lag

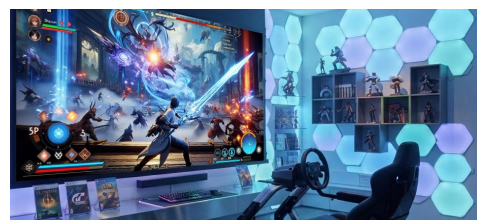
Input lag as low as 8.4ms at 1080p/120Hz for responsive gaming and interactive content.

Versatile Application

Home Entertainment



Gaming



Presentations



*Brightness measured in accordance with ISO 21118

Optomausa.com



4LED
Technology



3,500
LUMENS



Full HD
1080p



30,000
Hours



8.4ms
Input Lag



HL31LV

Technical Specifications

Vibrant color. Advanced 4LED technology. Everything needed for larger-than-life entertainment, competitive gaming, and versatile presentation capabilities.



DISPLAY / IMAGE

Display technology	DLP™
Resolution	Full HD 1080p (1920 x 1080)
Brightness	3,500 lumens
Contrast ratio	300,000:1
Native aspect ratio	16:9 (Compatible 4:3,16:10)
Displayable Colors	1,073.4 Million
Keystone correction	H: ±30°, V: ±30°
Horizontal scan rate	15–135 KHz
Vertical scan rate	24–120 Hz
Uniformity	85%
Screen size	30" – 300"

LIGHT SOURCE

Light source type	4LED
Light source life	30,000 hours (Eco mode)

OPTICAL / INSTALLATION

Throw ratio	1.49 ~ 1.64
Projection distance	6.4ft ~ 16ft
Zoom type	Manual; 1.1x
Focal length	0.87 in ~0.95 in
Projection	360°
Native offset	102.5% ±30%

CONNECTIVITY

Inputs	2 x HDMI 2.0, 1 x VGA, 1 x Audio In
Outputs	1 x USB-A power 2A, 1 x Audio 3.5mm, 1 x VGA
Control	1 x RS232, 1 x LAN

GENERAL / PERFORMANCE

Noise level (min)	29 dB (Eco mode)
Noise level (max)	35 dB (Bright mode)
PC compatibility	VGA,SVGA,XGA,720p,WXGA,SXGA,SXGA+,UXGA,1080p,WUXGA
2D compatibility	NTSC,PAL,SECAM,SDTV,HDTV,UHD
3D compatibility	Auto, SBS, Top and Bottom, Frame Sequential, Frame Packing
3D	Full 3D
Security	Kensington Lock, password protected interface
OSD languages	27 languages
Operating conditions	0–40°C; max altitude 10,000 ft.; Max humidity 80% RH, non-condensing
24/7 operation	Yes
Speaker	1 × 10W
Input Lag	33.7ms (4K/60Hz) 16.7ms (1080p/60Hz) 8.4ms (1080p/120Hz)
In the box	AC power cord, remote control, basic user manual, 2 x AAA Batteries
Warranty	1 Year parts and labor limited warranty on the projector, 5-year or 12,000 hour light source warranty (whichever comes first)
UPC	796435 81 586 8

POWER

Power supply	External, 100V ~ 240V, 50-60Hz
Standby	<0.5W
Power Consumption (Eco mode)	130W@100VAC 124W@240VAC
Power Consumption (Bright mode)	226W @100VAC 212W @240VAC

WEIGHT / SIZE

Dimensions	12.09" x 8.98" x 4.50"
Gross weight	10.8 lbs
Net weight	6.8 lbs



REAR I/O / PRODUCT VIEW | CONNECTIVITY



1. Audio In
2. HDMI 1 In
3. HDMI 2 In
4. USB-A 2A
5. VGA In
6. VGA Out
7. RJ-45
8. Audio Out
9. RS232

PRODUCT DIMENSIONS



Optoma
NO. 1 DLP® LASER BRAND IN AMERICAS*
*Data source: PMA Research; Worldwide Projector Census, Q3 2025



Optoma is a visual solutions provider that has delivered stunning experiences to millions of people since 2000. For the last two decades, we have grown our business to become one of the world's leading large-display brands. We have demonstrated our capabilities as a first-mover, innovator, and market leader and firmly established our position as the world's leading 4K UHD projector and DLP® brand.

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