optomaeurope.com

ZH462

Eco-friendly compact high brightness Full HD laser projector

- **Bright Full HD 1080p DuraCore laser projector - 5000 lumens and IP6X certified**
- **Compact for easy installation - 1.3x zoom, 360-degree and portrait projection**
- **Reduced power consumption for a long life span - DuraCore laser technology delivers 30,000 hours maintenance free laser light source**
- **External power supply - More reliability, portability and energy efficiency**

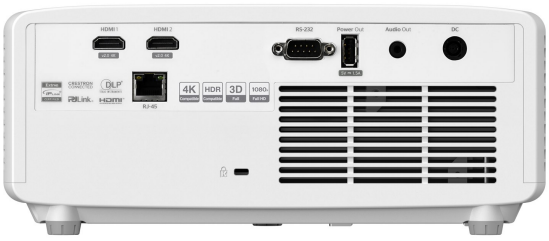
The ZH462 is one of Optoma's most compact and hassle-free Full HD 1080p DuraCore laser projectors to date. Designed for maintenance-free continuous operation, it delivers powerful image performance with flexible installation features and extensive connectivity options in a sleek, compact form factor, up to 34% smaller than previous Optoma models.[1]

An added benefit, the ZH462 features an external power supply offering more reliability, portability and energy efficiency.

Specifications

EAN: 5055387667860, Colour: White

UPC: 796435447106, Colour: White



Display/image	
Display technology	DLP®
Resolution	1080p Full HD (1920x1080)
Brightness	5,000 lumens
Contrast ratio	3,000,000:1
Native aspect ratio	16:9
Aspect ratio - compatible	4:3,16:9
Keystone correction - horizontal	30°
Keystone correction - vertical	30°
Displayable colours (millions)	1073.4
Uniformity	75%
Lamp info	
Light source type	Laser
LASER life	30,000 hours
Optical	
Throw ratio	1.13:1 ~ 1.47:1
Projection distance (m)	1m - 8m
Zoom	1.3
Zoom type	Manual
Focal length (mm)	16.90 ~ 21.61
Native offset	116%
Connectivity	
Connections	**Inputs** 2 x HDMI 2.0 **Outputs** 1 x Audio 3.5mm, 1 x USB-A power 1.5A **Control** 1 x RS232, 1 x RJ45
General	
Noise level (min)	29dB
Noise level (max)	35dB
PC compatibility	FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac
2D compatibility	NTSC M/J, 3.58MHz, 4.43MHz PAL B/D/G/H/I/M/N, 4,43MHz SECAM B/D/G/K/K1/L, 4.25/4.4MHz 480i/p, 576i/p, 720p(50/60Hz), 1080i(50/60Hz), 1080p(50/60Hz)
3D compatibility	Yes (DLP 3D; PC frame sequential 120Hz 3D, Blu-r
3D	Full 3D
Security	Security bar, Kensington Lock, Password protected interface
IP rating	IP6X
OSD / display languages	25 languages: Arabic, Czech, Danish, Dutch, English, Farsi, Finnish, French, German, Greek, Hungarian, Indonesian, Italian, Japanese, Norwegian, Polish, Portuguese, Romanian, Russian, Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese
24/7 operation	Yes
360° operation	Yes
Operating conditions	0°C ~ 40°C, Max. Humidity 80%, Max. Altitude 2,500m
Remote control	Card style
Speaker count	1
Watts per speaker	15W
In the box	AC power cord Remote control 1x CR2025 battery Basic user manual
Optional wireless models	UHDCast Pro
Power	
Power supply	External power supply, 100V ~ 240V, 50-60Hz
Power consumption (standby)	<0.5W
Power consumption (min)	128W
Power consumption (max)	205W
Weight and dimensions	
Dimensions (W x D x H) mm	274 x 216 x 108
Gross weight	4.6 kg
Net weight	3.4 kg

Copyright © 2026, Optoma and its logo is a registered trademark of Optoma Corporation. Optoma Europe Ltd is the licensee of the registered trademark. All other product names and company names used herein are for identification purposes only and may be trademarks or registered trademarks of their respective owners.Errors and omissions excepted, all specifications are subject to change without notice.All images are for representation purposes only and may be simulated. [1] Based on the comparison of the 2023 Optoma mainstream laser projectors and its previous generation. [2] Comparison of 2023 Optoma mainstream laser projectors and its equivalent lamp-based counterparts. [3] Based on the packaging of 2023 Optoma laser projectors. 26012026111032