

ZH450

Eco-friendly ultra-compact high brightness Full HD laser projector



- **Bright Full HD 1080p DuraCore laser projector - 4500 lumens and IP6X certified**
- **Small form factor for easy installation - 1.6x zoom, 360-degree and portrait projection**
- **DuraCore laser technology - Long laser life span of up to 30,000 hours maintenance-free operation**
- **Designed with the environment in mind - Made with non-hazardous and recycled materials**



The ZH450 is Optoma's most compact hassle-free Full HD 1080p DuraCore laser projector to date. Designed for maintenance-free continuous operation, it can be installed in virtually any orientation and location due to its small and lightweight footprint.

Designed with the environment in mind, the ZH450 cuts power by 47% vs a typical Optoma lamp-based product. Energy-saving laser technology ensures a long product lifespan of up to 30,000 hours without the need for additional lamps and is mercury-free, further lowering its carbon footprint. In addition, the eco-friendly chassis design is made with up to 50% PCR (Post-Consumer Recycled) plastics and up to 97% of its packaging is recyclable.

Specifications

EAN: 5055387666825, Colour: White

UPC: 796435 44 659 8, Colour: White



Display/image

Display technology	DLP™
Resolution	1080p Full HD (1920x1080)
Brightness	4,500 lumens
Contrast ratio	300,000:1
Contrast ratio - dynamic	2,000,000:1
Native aspect ratio	16:9
Aspect ratio - compatible	4:3, 16:9
Keystone correction - horizontal	+/-30°
Keystone correction - vertical	+/-30°
Has vertical auto keystone correction	Yes
Displayable colors (millions)	1073.4
Horizontal scan rate	15 ~ 140KHz
Vertical scan rate	24 ~ 120Hz
Uniformity	75%
Screen size	20" ~ 322" diagonal

Lamp info

Light source type	Laser
LASER life	30,000 hours

Optical

Throw ratio	1.4:1 ~ 2.24:1
Projection distance	39.37" - 393.7"
Zoom	1.6
Zoom type	Manual
Focal length (mm)	20.91 ~ 32.62
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
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General

Noise level (typical)	29dB
Noise level (max)	31dB
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	3D ready
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 2x AAA batteries Basic user manual
Optional wireless models	UHDCast Pro

Power

Power supply	100V ~ 240V, 50-60Hz
Power consumption (standby)	<0.5W
Power consumption (min)	119W
Power consumption (max)	173W

Weight and dimensions

Dimensions (W x D x H)	10.79" x 8.5" x 4.49"
Gross weight	9.26 lbs
Net weight	6.61 lbs

