

ZH450

Eco-friendly ultra-compact high brightness Full HD 1080p 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
- Built with the environment in mind Made with up to 50% PCR (Post-Consumer Recycled) plastics and up to 99% of its packaging is recyclable



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 99% of its packaging is recyclable.

Specifications

EAN: 5055387666825, Colour: White	
JPC: 796435 44 659 8, Colour: White	9
Display/image	
Display technology	DLPTM
Resolution	1080p Full HD (1920x1080)
Brightness	4,500 lumens
Contrast ratio	300,000:1
Native aspect ratio	16:9
Aspect ratio - compatible	4:3,16:9
Keystone correction -	+/-30°
horizontal	
Keystone correction - vertical	+/-30°
Has vertical auto keystone correction	Yes
Displayable colors (millions)	1073.4
Horizontal scan rate	15 ~ 140Khz
/ertical scan rate	24 ~ 120Hz
Uniformity	24 ~ 120nz 75%
Screen size	
	20" ~ 322" diagonal
Lamp info	aser
_ight source type _ASER life	Laser 30.000 hours
	00,000 10015
Optical Throw ratio	1.4:1 ~ 2.24:1
Projection distance	1.4:1 ~ 2.24:1 39.37" - 393.7"
Zoom	1.6
	1.6 Manual
Zoom type Focal length (mm)	20.91 ~ 32.62
-ocal length (mm) Native offset	20.91 ~ 32.62 116%
Connectivity	11070
Connections	
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 (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
P 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
	Yes Yes
360° operation	
360° operation Operating conditions	Yes
360° operation Dperating conditions Remote control	Yes 0°C ~ 40°C, Max. Humidity 80%, Max. Altitude 2,500m
360° operation Operating conditions Remote control Speaker count	Yes 0°C ~ 40°C, Max. Humidity 80%, Max. Altitude 2,500m Card style
360° operation Operating conditions Remote control Speaker count Watts per speaker	Yes 0°C ~ 40°C, Max. Humidity 80%, Max. Altitude 2,500m Card style 1 15W AC power cord
360° operation Operating conditions Remote control Speaker count Watts per speaker	Yes 0°C ~ 40°C, Max. Humidity 80%, Max. Altitude 2,500m Card style 1 15W AC power cord Remote control
860° operation Operating conditions Remote control Speaker count Watts per speaker	Yes 0°C ~ 40°C, Max. Humidity 80%, Max. Altitude 2,500m Card style 1 15W AC power cord Remote control 2x AAA batteries
860° operation Operating conditions Remote control Speaker count Watts per speaker n the box	Yes 0°C ~ 40°C, Max. Humidity 80%, Max. Altitude 2,500m Card style 1 15W AC power cord Remote control 2x AAA batteries Basic user manual
360° operation Operating conditions Remote control Speaker count Watts per speaker n the box Dptional wireless models	Yes 0°C ~ 40°C, Max. Humidity 80%, Max. Altitude 2,500m Card style 1 15W AC power cord Remote control 2x AAA batteries
360° operation Operating conditions Remote control Speaker count Watts per speaker n the box Optional wireless models Power	Yes 0°C ~ 40°C, Max. Humidity 80%, Max. Altitude 2,500m Card style 1 15W AC power cord Remote control 2x AAA batteries Basic user manual UHDCast Pro
360° operation Operating conditions Remote control Speaker count Watts per speaker In the box Optional wireless models Power Power supply	Yes 0°C ~ 40°C, Max. Humidity 80%, Max. Altitude 2,500m Card style 1 15W AC power cord AC
360° operation Operating conditions Remote control Speaker count Watts per speaker In the box Optional wireless models Power Power supply Power consumption (standby)	Yes 0°C ~ 40°C, Max. Humidity 80%, Max. Altitude 2,500m Card style 1 15W AC power cord AC power cord ARemote control 2x AAA batteries Basic user manual UHDCast Pro 100V ~ 240V, 50-60Hz <0.5W
360° operation Operating conditions Remote control Speaker count Watts per speaker In the box Optional wireless models Power Power Power consumption (standby) Power consumption (min)	Yes 0°C ~ 40°C, Max. Humidity 80%, Max. Altitude 2,500m Card style 1 15W AC power cord Remote control 2x AAA batteries Basic user manual UHDCast Pro 100V ~ 240V, 50-60Hz <0.5W 119W
360° operation Operating conditions Remote control Speaker count Watts per speaker n the box Optional wireless models Power Power supply Power consumption (standby) Power consumption (min) Power consumption (max)	Yes 0°C ~ 40°C, Max. Humidity 80%, Max. Altitude 2,500m Card style 1 15W AC power cord Remote control 2x AAA batteries Basic user manual UHDCast Pro 100V ~ 240V, 50-60Hz <0.5W
360° operation Operating conditions Remote control Speaker count Watts per speaker n the box Optional wireless models Power Power consumption (standby) Power consumption (min) Power consumption (max) Weight and dimensions	Yes 0°C ~ 40°C, Max. Humidity 80%, Max. Altitude 2,500m Card style 1 15W AC power cord Remote control 2x AAA batteries Basic user manual UHDCast Pro 100V ~ 240V, 50-60Hz <0.5W 119W 173W
360° operation Operating conditions Remote control Speaker count Watts per speaker In the box Optional wireless models Power Power consumption (standby) Power consumption (min) Power consumption (min) Power consumption (max) Weight and dimensions Dimensions (W x D x H)	Yes 0°C ~ 40°C, Max. Humidity 80%, Max. Altitude 2,500m Card style 1 15W AC power cord Remote control 2x AAA batteries Basic user manual UHDCast Pro 100V ~ 240V, 50-60Hz <0.5W 119W 173W 10.79" x 8.5" x 4.49"
24/7 operation 360° operation Operating conditions Remote control Speaker count Watts per speaker In the box Optional wireless models Power Power Power consumption (standby) Power consumption (min) Power consumption (max) Weight and dimensions Dimensions (W x D x H) Gross weight Net weight	Yes 0°C ~ 40°C, Max. Humidity 80%, Max. Altitude 2,500m Card style 1 15W AC power cord Remote control 2x AAA batteries Basic user manual UHDCast Pro 100V ~ 240V, 50-60Hz <0.5W 119W 173W





Copyright © 2023 Optoma Technology, Inc. DLP® and the DLP logo are registered trademarks of Texas Instruments™. All other trademarks are the property of their respective owners. All specifications subject to change at any time. 26022023125803