

ZH451

Eco-friendly compact high brightness Full HD laser projector



- **Bright Full HD 1080p DuraCore laser projector - 4600 lumens and IP6X certified**
- **Compact for easy installation - 1.6x zoom, 360-degree and portrait projection**
- **Optoma Management Suite (OMSC)[™] - Remotely manage and control your device with real-time monitoring, and scheduling, helping to reduce downtime, streamline operations, and cut operating costs.**
- **Optoma Smart Control App - Streamlines device management allowing you to command, control and make image corrections all from your mobile device.**



Built with Miracast technology, the ZH451 is optimised for seamless wireless display sharing and presentations, without the need for additional hardware - Simplifying collaboration for meeting rooms, classrooms, and other professional environments. This 4600-lumen projector 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

Compatible with Optoma Management Suite (OMSC)[™] and Optoma's latest Smart Control App, control and manage your devices remotely with ease.

Specifications

EAN: 5055387669475, Colour: White



Display/image	
Display technology	DLP®
Resolution	1080p Full HD (1920x1080)
Brightness	4,600 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, 16:10
Keystone correction - horizontal	+/-30°
Keystone correction - vertical	+/-30°
Displayable colours (millions)	1073.4
Horizontal scan rate	15 ~ 135Khz
Vertical scan rate	24 ~ 120Hz
Uniformity	75%
Screen size	0.51m ~ 7.62m (20" ~ 300") diagonal
Lamp info	
Light source type	Laser
LASER life	30,000 hours
Optical	
Throw ratio	1.4:1 ~ 2.24:1
Projection distance (m)	1m - 10m
Zoom	1.6
Zoom type	Manual
Focal length (mm)	20.91 ~ 32.62
Native offset	116%
Connectivity	
Connections	Inputs 2 x HDMI 2.0, 1 x Audio 3.5mm, 1 x VGA Outputs 1 x Audio 3.5mm, 3 x USB-A power 1.5A Control 1 x RS232, 1 x RJ45, 1 x 3D sync, 1 x 12V trigger
General	
Noise level (min)	29dB
Noise level (max)	36dB
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-ray DVD 3D)
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 2x AAA batteries 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)	119W
Power consumption (max)	173W
Weight and dimensions	
Dimensions (W x D x H) mm	274 x 216 x 114
Gross weight	4.2 kg
Net weight	3 kg

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