ZK450

ultra-compact high brightness 4K UHD HDR laser projector

4K ULTRA HD™ Eco⁺ **LASER**

Incredible True 4K UHD resolution visual experience - HDR/HLG compatible with eARC/ARC support

Lights on viewing - Bright 4200 lumens - Perfect for big screen home entertainment and immersive gaming

Small form factor for easy installation - 1.6x zoom, 360-degree and portrait projection

External power supply - More reliability, portability and energy efficiency

The ZK450 is one of Optoma's most compact and hassle-free 4K UHD 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 ZK450 features an external power supply offering more reliability, portability and energy efficiency.

Specifications

The following specifications are preliminary and subject to change without notice

Display/image

Display technology	DLP™
Resolution	UHD (3840x2160)
Brightness	4,200 lumens
Contrast ratio	300,000:1
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 ~ 140Khz
Vertical scan rate	24 ~ 240Hz
Uniformity	80%
Screen size	0.66m ~ 7.7m (26" ~ 303") diagonal

Lamp info

Light source type	Laser
LASER life	30,000 hours

Optical

Throw ratio	1.4:1 ~ 2.24:1
Projection distance	1.3m - 9.4m / 51.18" - 370.08"
Zoom	1.6x
Zoom type	Manual
Focal length	20.91 ~ 32.62
Native offset	116%

Connectivity

Connections	**Inputs** 2 x HDMI 2.0 **(Port 2: HDMI eARC/ARC | 5.1 & 7.1 Dolby Digital Only)**
	Outputs 1 x Audio 3.5mm, 1 x USB-A power 1.5A
	Control 1 x RS232, 1 x RJ45

General

Noise level (typical)	28dB
Noise level (max)	30dB
PC compatibility	UHD, 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 10,00ft
Remote control	Card style
Speaker count	1
Watts per speaker	15W
In the box	AC power cord **Card Size Remote Control with CR2025 Coin Battery** Basic user manual
Input lag	1080p240 = 4.4ms / 4K60 = 16ms / 1080p120 = 8ms / 1080p60 = 16ms
Optional wireless models	QuickCast Pro 4K KIT

Power

Power supply	External power supply, 100V ~ 240V, 50-60Hz
Power consumption (standby)	<0.5W
Power consumption (min)	126W
Power consumption (max)	185W

Weight and dimensions

Dimensions (W x D x H)	274 x 216 x 114 mm / 10.79" x 8.5" x 4.49"
Gross weight	4.2 kg / 9.26 lbs
Net weight	3 kg / 6.61 lbs
UPC	796435 44 687 1