

ZK810TST & ZK810T

Professional 4K UHD fixed lens laser projectors

Experience spectacular image quality with the Optoma ZK810TST and ZK810T 4K UHD projectors. With 8,500 lumens, flexible installation features and a long-lasting laser light source they deliver ultimate reliability.

Suitable for: Theme parks and entertainment, houses of worship, museums, boardrooms, conference rooms, classrooms and simulation or immersive applications.



True 4K UHD resolution

With an impressive 8,500 lumens of brightness and 8.3 million active pixels, the ZK810 series offers true 4K UHD resolution. This ensures that every detail is captured with stunning clarity, delivering sharper, lifelike images and richer colors.



High-quality projection

Optoma DuraCore laser projectors feature dust-resistant optically sealed engines IPX5 for virtually maintenance-free operation, advanced cooling, longer life with up to 30,000 hours in ECO mode of operation, and lower ownership costs.



Vivid images

Optoma DLP® projectors offer a high contrast ratio, providing vivid and vibrant images for an immersive visual experience.



Short throw lens with zoom

With a 0.65-0.75:1 short throw ratio, the ZK810TST can be placed close to the wall or screen, making it ideal for tighter installations without compromising on its impressive brightness.



Flexible installation

With its full 360-degree orientation and compact, small form factor chassis, the ZK810 series simplifies even the most complex installations.



Optoma Management Suite

Optoma Management Suite (OMS)™ is designed to streamline operations by providing advanced cloud-based remote management for audio-visual displays. It allows for the monitoring, diagnosis, and control of displays worldwide via a single platform.

Product specifications





Technical specification		ZK810TST (Short throw)	ZK810T (Standard throw)
Display/image	Display technology	DLP	
	Resolution	UHD (3840x2160)	
	Brightness	8,500 lumens	
	ANSI brightness	7,200 lumens	
	Contrast ratio	3,000,000:1	
	Contrast ratio - full on/off	1,100:1	
	Native aspect ratio	16:9	
	Aspect ratio - compatible	4:3,16:9, 21:9	
	Keystone correction - horizontal	+/-20°	+/-30°
	Keystone correction - vertical	+/-15°	+/-40°
	Displayable colors (millions)	1073.4	
	Horizontal scan rate	15.375~91.146kHz	
	Vertical scan rate	24~85Hz	
	Uniformity	95%	
	Screen size	50" ~ 1,000" diagonal (1.27m ~ 25.4m)	50" ~ 300" diagonal (1.27m ~ 7.62m)
Light source info	Light source type	DuraCore Laser	
	LASER life	30,000 hours (ECO Mode)	
Optical	Throw ratio	0.65:1 ~ 0.75:1	1.26:1 ~ 2:1
	Projection distance	27.56"-653.54" (0.7m-16.6m)	52.36"-514.17" (1.33m-13.06m)
	Zoom	1.15	1.6
	Zoom type	Motorized	
	Focal length (mm)	9.69~11.19	18.72~29.59
	Lens shift	Vertical: +/-55%, Horizontal: +/-25%	
Connectivity	Inputs	2 x HDMI 2.0, 1 x USB-B service, 1 x 3D sync, 1 x Wired remote	
	Outputs	1 x HDMI 2.0, 1 x USB-A power 1.5A, 1 x Audio 3.5mm, 1 x 3D sync	
	Control	1 x HDBaseT 4K, 1 x RJ45, 1 x 12V trigger, 1 x RS232	
General	Noise level (min)	34dB	
	Noise level (max)	38dB	
	3D	Full 3D	
	Security	Security bar, Kensington lock, password protected interface	Security bar, Kensington lock, password protected interface
	IP rating	IP5X	
	OSD / display languages	11 languages: Dutch, English, French, German, Indonesian, Italian, Japanese, Portuguese, Russian, Chinese (simplified), Spanish	
	24/7 operation	Yes	
	360° operation	Yes	
	Remote control	Backlit ProAV remote	
	Speaker count	2	
	Watts per speaker	10W	
Networking	LAN - control	Yes	
	LAN - wireless networking	No	
	LAN	Yes	
Power	Power supply	AC 100 – 240 V @ 50/60 Hz	
	Power consumption (standby)	0.5W	
	Power consumption (min)	280W	
	Power consumption (max)	530W	
Weight and dimensions	Dimensions (W x D x H)	19.13" x 16.87" x 7.28" (486 x 428.6 x 185mm)	19.13" x 17.03" x 7.30" (486 x 432.5 x 185.5mm)
	Gross weight	42.77 lbs (19.4 kg)	43.21 lbs (19.6 kg)
	Net weight	31.53 lbs (14.3 kg)	31.97 lbs (14.5 kg)



Optoma Management Suite
Remote display management



Constant Brightness
/ Constant Power



Powered Focus
/ Zoom / Lens shift



Full lens
shift



Lens shift
memory



24/7
Operation



360 degree
installation



Low
latency



3D Sync
In & Out





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