Optoma

Designed with **creativity** in mind



ZK810TST / ZK810T

Professional 4K UHD fixed lens laser projectors

4K ULTRA HD

DuraCore LASER



Discover a world of possibilities



Immerse in vivid detail

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.



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.



On-axis projection

This feature provides installers with flexible positioning options while minimizing shadows caused by people or objects.



Full powered lens

Full powered lens shift, zoom and focus, provide easy installation and flexible positioning, enhancing setup convenience for any space.



HDBaseT 3.0

This technology delivers uncompressed 4K video and audio through a single cable, saving time and reducing costs.



Faster response times

Experience smooth motion and reduced blur - perfect for immersive projects.



Longer life span

Delivering up to 30,000 hours operation (eco-mode) or 3.5 years of 24/7 usage, the ZK810 series offers hassle-free maintenance projection.



Eco-friendly projectors

Designed with the environment in mind, the eco-friendly chassis design is made with up to 50% PCR (Post-Consumer Recycled) plastics and is energy efficient for lower power consumption.



Illuminate every meeting

21:9

21:9 aspect ratio

Compatible with Microsoft Teams Front Row, 21:9 aspect ratio allows you to see and do more.

Constant brightness

Our advanced light sensing technology ensures that brightness levels are set to remain consistent over time.

Image size and projection distance

1.15x lens model The size of projected images is 50 ~ 1000 inches (1.27m ~ 25.4m)



ZK810TST(Short throw)

Screen size 16:9 (W x H)						Projector distance			
Diagonal length of image		Width		Height		Wide		Tele	
inch	m	inch	m	inch	m	inch	m	inch	m
50	1.27	43.6	1.11	24.5	0.62	27.6	0.70	32.1	0.81
100	2.54	87.2	2.21	49.0	1.25	56.7	1.44	65.7	1.67
150	3.81	130.7	3.32	73.5	1.87	85.8	2.18	99.3	2.52
200	5.08	174.3	4.43	98.1	2.49	114.9	2.92	133.0	3.38
250	6.35	217.9	5.53	122.6	3.11	144.0	3.66	166.6	4.23
300	7.62	261.5	6.64	147.1	3.74	173.1	4.40	200.2	5.09
500	12.70	435.8	11.07	245.1	6.23	289.6	7.35	334.7	8.50
600	15.24	522.9	13.28	294.2	7.47	347.8	8.83	402.0	10.21
700	17.78	610.1	15.50	343.2	8.72	406.0	10.31	469.3	11.92
800	20.32	697.3	17.71	392.2	9.96	464.2	11.79	536.5	13.63
900	22.86	784.4	19.92	441.2	11.21	522.5	13.27	603.8	15.34
1000	25.40	871.6	22.14	490.3	12.45	580.7	14.75	671.0	17.04

1.6x lens model The size of projected images is 50 ~ 300 inches (1.27m ~ 7.62m)



ZK810T (Standard throw)

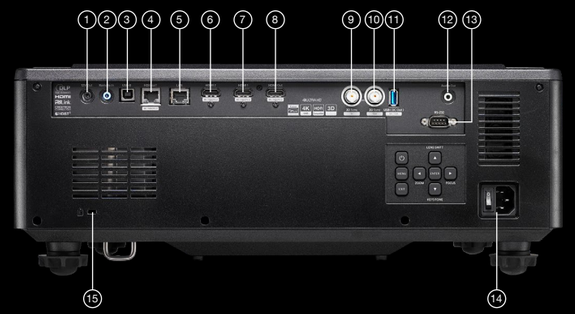
Screen size 16:9 (W x H)						Projector distance			
Diagonal length of image		Width		Height		Wide		Tele	
inch	m	inch	m	inch	m	inch	m	inch	m
50	1.27	43.6	1.11	24.5	0.62	53.5	1.36	85.8	2.18
100	2.54	87.1	2.21	49.0	1.25	109.0	2.77	174.0	4.42
150	3.81	130.7	3.32	73.5	1.87	164.5	4.18	261.8	6.65
200	5.08	174.3	4.43	98.0	2.49	219.9	5.59	349.6	8.88
250	6.35	217.8	5.53	122.5	3.11	275.4	7.00	437.8	11.12
300	7.62	261.4	6.64	147.1	3.74	330.9	8.41	525.6	13.35

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)



1. 12V Trigger
2. Remote In
3. USB Type B
4. HDBaseT
5. LAN (RJ45)
6. HDMI 2
7. HDMI 1
8. HDMI Out
9. 3D Sync In
10. 3D Sync Out
11. USB Type A
12. Audio Out
13. RS232
14. Power socket / Power switch
15. Kensington™ lock port



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Dealer's Stamp

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