Experience crystal-clear image quality and seamless integration

PRO|SCENE
ZK1320 / ZK1120

4K UHD+ High Brightness ProAV Laser Projectors

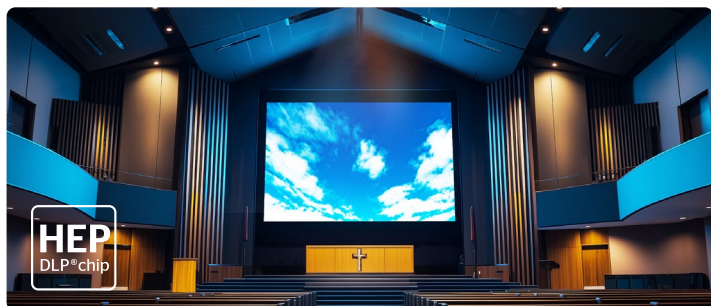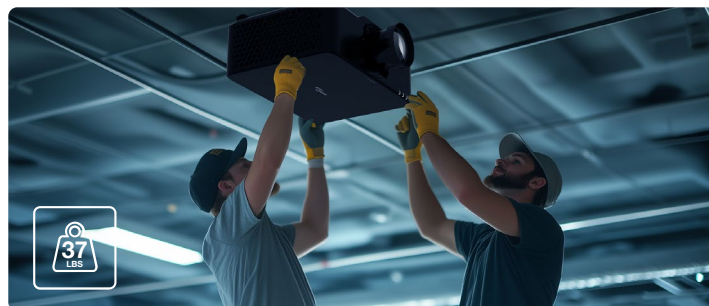**DuraCore LASER**

Introducing the Optoma ZK1320 and ZK1120 4K UHD+ WQUXGA interchangeable lens laser projectors— delivering 13,500 and 11,000 lumens of brightness designed for installers and integrators seeking performance and convenience. Experience dynamic visuals, high pixel density, high contrast ratio, and accurate color reproduction with flexible installation features.

Suitable for: immersive, entertainment and events, museums, large venues, houses of worship, education and corporate spaces.
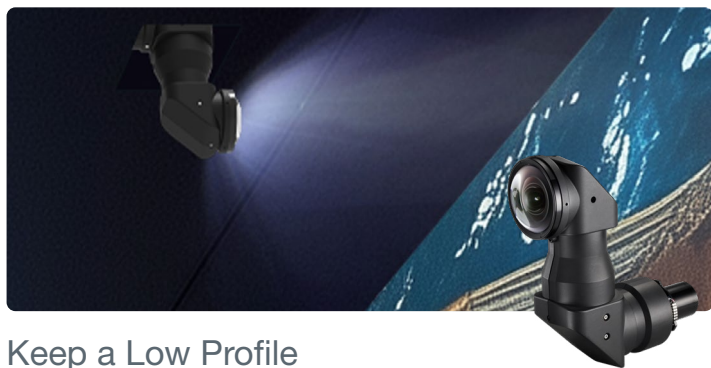
HEP DLP®chip

True 4K UHD+ WQUXGA Resolution

Experience crystal-clear visuals with the advanced Texas Instruments 0.8" HEP (High Efficiency Pixel) DLP® chip, delivering an impressive 4K UHD+ 16:10 (3840x2400) screen resolution with 9.22 million projected pixels for exceptional detail, enhanced contrast, and superior lumen efficiency.
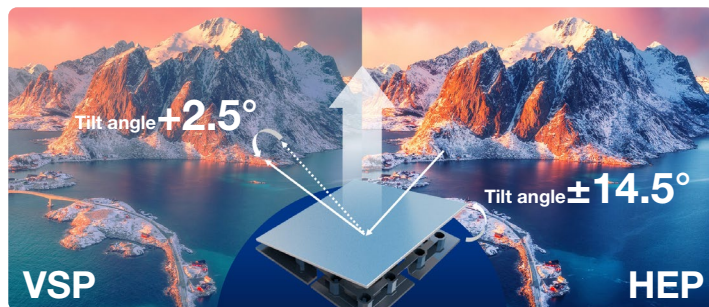
37 LBS

Compact Convenience

Engineered to be lightweight and eco-friendly, this compact projector, weighing less than 37lbs (without lens), ensures effortless and hassle-free installation!

Keep a Low Profile

Explore the complete collection of 10 interchangeable, zero-offset lenses ranging from 0.34 – 8.64 with full motorized lens-shift, zoom, and focus including the groundbreaking front-facing snorkel ultra-short throw lens. This versatile range ensures seamless blending and discrete projector placement, delivering flawless visuals even in the most confined spaces.

Tilt angle +2.5°
Tilt angle ±14.5°
VSP
HEP

Advanced DLP Chip for Enhanced Contrast

For increased contrast and boosted efficiency, the projectors feature Texas Instruments' new High Efficiency Pixel (HEP) DMD chipsets which use enhanced micromirror pitch and tilt angle, effectively reducing unwanted light scattering. This advancement significantly improves contrast, enhances scope, and boosts overall performance.
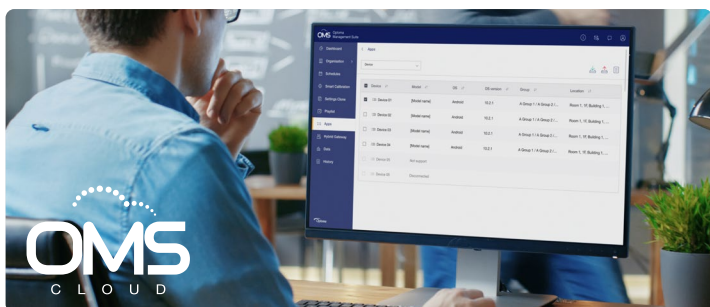
Be immersed in **endless possibilities**

Edge-blend and Warp with Visual Suite

Effortlessly blend and warp content onto flat or irregular surfaces with Visual Suite PC software. Offering 65 x 33 point warping correction, black-level uplift, and image masking.

Advanced Connectivity & Flexible Installation

HDBaseT 3.0 enables long-reach distribution of uncompressed HDMI 2.0 4K@60 4:4:4, 1Gb Ethernet, USB 2.0, controls, and power—all with near-zero latency, while advanced cooling design enables 360-degree installation across diverse applications.

Control Your Device Remotely with OMS®

Streamline operations with advanced cloud-based* remote management. Provides monitoring, diagnosis, power scheduling, and projector control.**

Art-Net Support

With Art-Net*** support, our projectors enable seamless multi-device synchronization, delivering captivating stage lighting and visual effects for unforgettable live events. Art-Net™ Designed by and Copyright Artistic License Engineering Ltd.

Technology standards

Product specifications

		ZK1320	ZK1120
Display/image	Display technology	TI 0.8" HEP DLP® single chip	TI 0.8" HEP DLP® single chip
	Resolution	4K UHD+ WQUXGA (3840 x 2400)	4K UHD+ WQUXGA (3840 x 2400)
	Brightness	13,500 ISO lumens / 11,500 ANSI lumens	11,000 ISO lumens / 9,300 ANSI lumens
	Contrast ratio	4,000,000:1	4,000,000:1
	Aspect ratio - compatible	4:3, 16:9, 16:10, 21:9, LBX	4:3, 16:9, 16:10, 21:9, LBX
	Color space	Rec 709: 97% coverage / DCI-P3: 80% coverage	Rec 709: 97% coverage / DCI-P3: 80% coverage
	Keystone correction - horizontal	± 20°	± 20°
	Keystone correction - vertical	± 20°	± 20°
	Horizontal scan rate	15.375 ~ 135.0 KHz	15.375 ~ 135.0 KHz
	Vertical scan rate	23.98 ~ 240 Hz (120 Hz for 3D feature projector)	23.98 ~ 240 Hz (120 Hz for 3D feature projector)
	Uniformity	95%	95%
	Screen size	Mechanical: 50" ~ 1000", Optical: 80" ~ 300"	Mechanical: 50" ~ 1000", Optical: 80" ~ 300"
Lamp info	Light source type	DuraCore Laser	DuraCore Laser
	Light source life	20,000 hours (bright mode) / 30,000 hours (eco mode)	20,000 hours (bright mode) / 30,000 hours (eco mode)

Optical

	BX-CTA28	BX-CTA10	BX-CTA11	BX-CTA12	BX-CTA07	BX-CTA08	BX-CTA20	BX-CTA21	BX-CTA22	BX-CTA23
Lens support										
Throw ratio	0.34 ~ 0.37	0.5 ~ 0.65	0.78 ~ 0.9	0.9 ~ 1.3	1.3 ~ 1.8	1.25 ~ 2	1.44 ~ 1.8	1.8 ~ 2.4	2.4 ~ 4.8	4.8 ~ 8.6
Zoom	1.08x	1.3x	1.15x	1.44x	1.38x	1.6x	1.25x	1.33x	2x	1.8x
Zoom type	Motorized					Motorized				
Lens shift (1/2 height)	Vertical: +/-120%, Horizontal: +/-50%					Vertical: +/-120%, Horizontal: +/-50%				

Connectivity

Connections	
	Inputs - 2 x HDMI (2.0b, HDCP 1.4/2.3), 1 x Display Port In, 1 x HDBaseT v3.0, 1 x 3D Sync In (BNC)
	Outputs - 1 x HDMI Out v2.0, 1 x 3D Sync Out (BNC) , 1 x USB-A Power (5V / 2A)
	Control - 1 x RJ45, 1 x RS232, 1 x Wired In (3.5 mm phone jack), 3 x IR Receivers

		ZK1320	ZK1120
General	Noise	Typical 36 dB / Max. 40 dB	Typical 36 dB / Max. 40 dB
	Input lag	4.5 ms (1080p / 240 Hz, low latency on & warping off)	4.5 ms (1080p / 240 Hz, low latency on & warping off)
	3D	Full 3D	Full 3D
	IP rating	IP5X	IP5X
	OSD / display languages	25 languages: Czecho / Danish / Dutch / English / Finnish / French / German / Greek / Hungarian / Indonesian / Italian / Japanese / Korean / Norwegian / Polish / Portuguese / Romanian / Russian / Simplified Chinese / Spanish / Swedish / Thai / Traditional Chinese / Turkish / Vietnamese	
	Safety	Class B EMI protection	Class B EMI protection
	24/7 operation	Yes	Yes
	360° operation	Yes	Yes
	Remote control	Backlit ProAV remote	Backlit ProAV remote
	Speaker	N/A	N/A
Networking	Networking	OMS, Art-Net, PJlink, Telnet, Crestron, Extron, web control, AMX device discovery	
Power	Power supply	AC 100 ~ 240 V, 50 ~ 60 Hz	AC 100 ~ 240 V, 50 ~ 60 Hz
	Power consumption (standby)	0.3W	0.3W
	Power consumption @110V	845 W ±15% (Bright), 420 W ±15% (Eco)	655 W ±15% (Bright), 375 W ±15% (Eco)
	Power consumption @220V	820 W ±15% (Bright), 415 W ±15% (Eco)	640 W ±15% (Bright), 365 W ±15% (Eco)
Weight and dimensions	Gross weight (w/o lens)	24 kg / 52.9 lbs	24 kg / 52.9 lbs
	Net weight (w/o lens)	16.8 kg / 37 lbs	16.8 kg / 37 lbs
	Dimensions (W x D x H)	21.06" x 15.59" x 8.33" - w/ feet 21.06" x 15.59" x 7.44" - w/o feet	21.06" x 15.59" x 8.33" - w/ feet 21.06" x 15.59" x 7.44" - w/o feet

ZK1320   **ZK1120**

Optoma Technology

Compliance and key features

4K HDR Compatible — 4K/HDR10/HDR Compatible

Powered Focus /Zoom/Lens shift

Energy-efficiency

24/7 Operation

OMS — Optoma Management Suite Remote display management

Constant Brightness /Constant Power

360 degree installation

4.5ms — Low latency

3D Sync — 3D Sync In & Out

Designed for Sustainability — 50% PCR chassis /Zero mercury

Optoma | Experience more