

NEW

# ZK431ST-B

4K Laser Short Throw Golf Sim Projector

Compact true 4K laser projection for golf Simulator spaces – designed to deliver vivid detail, short-throw flexibility, and easy installation in a sleek compact chassis.



Black chassis designed for golf simulator environments

**4K ULTRA HD**  
4K UHD

**High Brightness**  
4,100 lumens

**Short throw**  
0.496 short throw

**DuraCore LASER**  
Up to 30,000-hour laser

**360°**  
Portrait projection

## See every swing in crisp 4K detail

### 4K ULTRA HD

True 4K UHD resolution keeps fairways, ball flight, and data overlays sharp.



4,100 lumens\* helps maintain bright, punchy visuals in simulator spaces.



0.496:1 short-throw design supports large images from tight installation distances.



HDR and HLG compatibility improves highlight and shadow detail.

## Built for performance. Designed for golf.



### 4K STUNNING CLARITY

Lifelike fairway contour, texture, and simulator data detail.

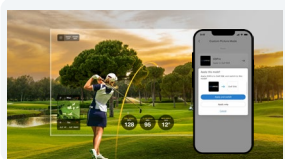


Fast response for swing and shot feedback.



### IMMERSIVE EXPERIENCE

Bright short-throw design for active simulator bays.



### SMART CONTROL

Auto Fit Screen to manage projector settings and alignment with convenient controls.

## Compact short throw, powerful impact.

The **ZK431ST-B** combines true 4K clarity, compact dimensions, and a short-throw lens to make golf simulator installation easier in space-constrained rooms.

### CONNECTIONS



- |              |                 |
|--------------|-----------------|
| 1. HDMI 1    | 6. Audio Out    |
| 2. HDMI 2    | 7. DC In        |
| 3. RS232     | 8. USB-A        |
| 4. Power Out | 9. RJ-45        |
| 5. 12V Out   | 10. 3D Sync Out |

\*Brightness measured in accordance with ISO 21118



Golf Sim



SHORT THROW



4,100 LUMENS

4K ULTRA HD

4K UHD



LOW INPUT LAG

Optomausa.com



# ZK431ST-B

## Technical Specifications

Compact true 4K laser performance with short-throw flexibility, long-life DuraCore laser technology, and versatile installation features for premium golf simulator and commercial AV spaces.



MAP  
**\$1,799**

### TECHNICAL SPECIFICATIONS

DISPLAY / IMAGE	
Display technology	DLP
Resolution	4K UHD (3840 × 2160)
Brightness	4,100 lumens
Contrast ratio	300,000:1
Native aspect ratio	16:9
Aspect ratio support	4:3, 16:9, 16:10
Keystone correction	±15° H, ±15° V
Screen size	30"–300"

CONNECTIVITY / CONTROL	
Inputs	2 × HDMI 2.0,
Outputs	2 x USB-A power, 1 x Audio Out 3.5 mm, 3D Sync Out
Control	1 x RJ-45, 1 x RS232, 1 x 12V Out, 1 x 3D Sync

POWER	
Power supply	100–240V, 50–60Hz
Standby	<0.5W
Power consumption (min)	124W
Power consumption (max)	178W
External power supply	Yes

LIGHT SOURCE	
Light source type	DuraCore laser
Light source life	Up to 30,000 hours

GENERAL / PERFORMANCE	
Noise level (min)	29 dB (Eco mode)
Noise level (max)	35 dB (Bright mode)
PC compatibility	VGA, SVGA, XGA, 720p, WXGA, SXGA, SXGA+, UXGA, 1080p, WUXGA
2D compatibility	NTSC, PAL, SECAM, SDTV, HDTV, UHD
3D compatibility	HDMI 1.4 3D formats; up-converts 60Hz→120Hz or 24Hz→144Hz
3D	Full 3D
Security	Kensington Lock, password protected interface
OSD languages	25 languages
Operating conditions	0–40°C; max altitude 10,000 ft; 80% RH non-condensing
24/7 operation	Yes
Speaker	1 × 15W
Input lag	4K/60Hz: 16.7 ms; 1080p/60Hz: 16.7 ms; 1080p/120Hz: 8.4 ms
In the box	AC power cord, remote control, basic user manual
UPC	796435 44 888 2

WEIGHT / SIZE	
Dimensions	10.8 × 8.5 × 4.5 IN
Height without feet	4.3 IN
Height with feet	4.5 IN
Net weight	6.4 lbs
Gross weight	9.5Lbs

OPTICAL / INSTALLATION	
Throw ratio	0.496:1
Projection Distance	1.3'– 10.8'
Projection Orientation	360° and portrait projection
Focal length	0.3"
Offset	114%

#### KEY INSTALLATION NOTES

- ✓ 0.496 short throw supports large images from tight spaces.
- ✓ True 4K UHD resolution delivers crisp course detail and simulator overlays.
- ✓ DuraCore laser provides up to 30,000 hours of low-maintenance operation.
- ✓ 360° and portrait projection add installation flexibility.
- ✓ Compact 10.8 × 8.5 × 4.5 IN chassis simplifies integration; up to 34% smaller than regular laser projectors.

#### REAR I/O / PRODUCT VIEW

1. HDMI 1	6. Audio Out
2. HDMI 2	7. DC In
3. RS232	8. USB-A
4. Power Out	9. RJ-45
5. 12V Out	10. 3D Sync Out

#### PRODUCT DIMENSIONS

274 mm / 10.8"  
216 mm / 8.5"



**Golf Sim**

**SHORT  
THROW**

**4,100  
LUMENS**

**4K ULTRA HD**

**LOW  
INPUT LAG**

[Optomausa.com](http://Optomausa.com)