

NEW

# ZK431ST

## 4K Laser Short Throw Projector

Compact 4K laser projection for classrooms, huddle rooms and collaboration spaces — designed to deliver vivid detail, short-throw flexibility and easy installation in a clean white chassis.



White chassis designed for classrooms, boardrooms and shared spaces.



### Understanding Learning Strategies

<b>Cognitive approach</b>  Mental processes	<b>Reflective learning</b>  Self-analysis	<b>Active engagement</b>  Participation	<b>Practical application</b>  Real-world tasks
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4K ULTRA HD™

**4K UHD**  
sharp detail



**4,100 lm**  
bright rooms



**0.496:1**  
short throw



**30,000h**  
DuraCore laser



**360°/portrait**  
flexible install



### Bright enough for shared spaces

4,100 lumens\* supports clear, readable images in classrooms, lecture rooms and meeting spaces with ambient light.

4K ULTRA HD™

### True 4K detail for content

Display spreadsheets, CAD drawings, lesson materials, video and fine text with crisp UHD clarity.



### Short throw, fewer shadows

0.496:1 short throw helps project large images from shorter distances, reducing presenter shadows and simplifying installation.



### Laser reliability, less maintenance

Up to 30,000-hour laser life reduces lamp replacement and downtime across installed fleets.



### Flexible control + integration

HDMI, RJ-45, RS232, USB-A and 12V trigger support classroom AV, corporate rooms and control systems.



### 360° + portrait ready

Flexible orientation supports creative signage, training spaces and classroom installations.



\*Brightness measured in accordance with ISO 21118



# ZK431ST

## Technical Specifications

Compact true 4K laser performance for classrooms, meeting rooms and commercial AV spaces.



### 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"

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

OPTICAL / INSTALLATION	
Throw ratio	0.496:1
Projection distance	1.3'-10.8'
Projection modes	360° and portrait
External power supply	Yes
Native offset	114%
Focal length	0.3"

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

GENERAL / PERFORMANCE	
Noise level	29 dB Eco / 35 dB Bright
PC compatibility	VGA to WUXGA
2D/3D compatibility	NTSC/PAL/SECAM/HDTV/UHD; Full 3D
Security	Kensington Lock, password
OSD languages	25 languages
24/7 operation	Yes
Speaker	1 × 15W
Input lag	4K/60: 16.7 ms; 1080p/120: 8.4 ms

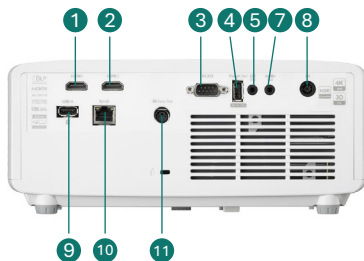
POWER	
Power supply	100-240V, 50-60Hz
Standby	<0.5W
Power min	124W
Power max	178W

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

### KEY INSTALLATION NOTES

- ✓ **0.496 short throw** supports large images from tight spaces.
- ✓ **White chassis** blends into classrooms and meeting rooms.
- ✓ **True 4K UHD** supports detailed lesson and business content.
- ✓ **DuraCore laser** supports up to 30,000 hours.
- ✓ **Compact** chassis simplifies ceiling installs.

### REAR I/O / PRODUCT VIEW



- 1 HDMI 1
- 2 HDMI 2
- 3 RS232
- 4 Power Out
- 5 12V Out
- 6 Audio In
- 7 Audio Out
- 8 DC In
- 9 USB-A
- 10 RJ-45
- 11 3D Sync Out

### PRODUCT DIMENSIONS



274 mm / 10.8"  
216 mm / 8.5"  
Height: 108.5 mm without feet / 114 mm with feet