Optoma

NEW

ZK521ST

4K Laser Short Throw Projector

High-brightness 4K laser projection for lecture halls, classrooms, boardrooms and enterprise training spaces — built for short-throw placement, clear detail and dependable 24/7 operation.



White chassis designed for classrooms, boardrooms and shared spaces.

4K UHD Large-screen clarity	5,100 lumens High brightness	0.79:1 Short throw	30,000h Laser life	Auto Fit Easier setup

Bright enough for shared spaces

5,100 lumens* supports clear, readable images in classrooms, lecture rooms and meeting spaces with ambient light.

True 4K detail for content

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

Short throw, fewer shadows

0.79:1 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.

Smart setup support

Auto screen fit, picture modes, remote control and alignment tools help speed setup and reduce installer effort.







*Brightness measured in accordance with ISO 21118

Built for Education + Enterprise

Bright 4K clarity + short throw for shared learning and collaboration spaces.

4K UHD | 5,100 lumens | 0.79:1 short throw | 30,000 Hour Laser

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Technical Specifications

High brightness 4K laser performance for education, enterprise and commercial AV environments.



MAP $2,699

TECHNICAL SPECIFICATIONS

DISPLAY / IMAGE

Display technology	DLP™
Resolution	4K UHD (3840 × 2160)
Brightness	5,100 lumens
Contrast ratio	300,000:1
Native aspect ratio	16:9
Aspect ratio support	4:3, 16:9, 16:10, Full, Auto, Native
Keystone correction	H: ±15°, V: ±15°
Scan rate	15–150 kHz / 24–240 Hz
Uniformity	75%
Screen size	30”–300”

LIGHT SOURCE

Light source type	Laser
Light source life	30,000 hours (Eco mode)

OPTICAL / INSTALLATION

Throw ratio	0.79:1
Projection distance	2.9’–9.6’ (Optical Travel)
Zoom	N/A
Zoom type	Fixed
Focal length	0.46”
Lens shift	Vertical 104%–125%
Native offset	104%–125% (+/–5%)

CONNECTIVITY / CONTROL

Inputs	2 × HDMI 2.0, Audio 3.5 mm
Outputs	2 × USB-A 2.0, 3D Sync Out, Audio 3.5 mm
Control	RJ45, RS232, 12V trigger
LAN control	Yes

GENERAL / PERFORMANCE

Noise level	29 dB Eco / 29 dB Bright
PC compatibility	VGA to WUXGA
2D compatibility	NTSC/PAL/SECAM/HDTV/UHD
3D compatibility	HDMI 1.4 formats; Full 3D
Security	Kensington Lock, password
OSD languages	27 languages
24/7 operation	Yes
Speaker	1 × 15W
Input lag	4K/60: 16.7 ms; 1080p/120: 8.4 ms
UPC	796435 44 843 1

POWER

Power supply	100–240V, 50–60Hz
Standby	<0.5W
Eco mode	147W @110VAC / 146W @220VAC
Bright mode	196W @110VAC / 193W @220VAC

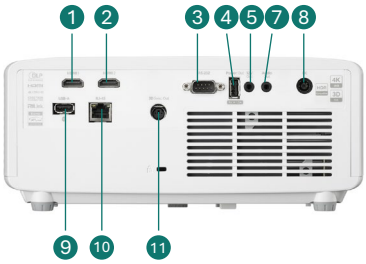
WEIGHT / SIZE

Dimensions without feet	10.8 × 8.5 × 4.3 in
Dimensions with feet	10.8 × 8.5 × 4.5 in
Gross weight	4.3 kg / 9.4 lbs
Net weight	3.0 kg / 6.6 lbs

KEY INSTALLATION NOTES

- ✓ **4K Resolution** with **5,000 lumens** support bright classrooms and meeting spaces.
- ✓ **0.79 short throw** delivers a 100” image from ~5.5 ft.
- ✓ **White chassis** suits education and corporate interiors.
- ✓ **Laser source** supports low-maintenance operation.
- ✓ **Network** and serial **control support AV integration.**

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

Built for Education + Enterprise

Bright 4K clarity + short throw for shared learning and collaboration spaces.

4K ULTRA HD 4K UHD | 5,100 lumens | 0.79:1 short throw | DuraCore LASER 30,000 Hour Laser