

# ZW521

## Compact High Brightness 6,000 lumens WXGA Laser Projector

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The Optoma ZW521 is a 6,000 lumen WXGA laser projector engineered for 24/7 reliability in business or education spaces. This compact, maintenance-free laser solution features a 30,000-hour lifespan, 1.3x optical zoom, Optoma Smart Control App (iOS and Android) for local setup and management of the projector via RJ-45, and centralized IT management via Optoma Management Suite (OMS™) to support sustainable, energy-efficiency operation in business applications.

6,000-lumen high brightness – Clear projection for spaces with ambient light

- 30,000h laser life – DuraCore laser ensures long-term reliability and low TCO
- 1.3x zoom & geometric correction for flexible installation
- Optoma Management Suite (OMS™) – Enables centralized monitoring and control across multiple devices from anywhere in the world
- Optoma Smart Control App – Intelligent screen alignment, setup and advanced configuration, and remote control directly from your iOS or Android mobile device (coming soon)



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**\*Brightness measured in accordance with ISO 21118**

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# Specification

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## Display

Technology	DLP®
Resolution	WXGA (1280x800)
Brightness	6,000 Lumens*
Contrast ratio	300,000:1
Native aspect ratio	16:10
Aspect ratio support	4:3,16:9, 16:10, Full, Auto, Native
Keystone correction - horizontal	±30°
Keystone correction - vertical	±30°
Horizontal scan rate	15 ~ 102KHz
Vertical scan rate	24 ~ 120Hz
Displayable Colors (millions)	1073.4
Uniformity	75%
Screen size	30" ~ 300"

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## Light source

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

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## Optical

Throw ratio	1.18:1 ~ 1.54:1
Projection distance	3.28' ~ 32.81'
Zoom	1.3x
Zoom type	Manual
Focal length	16.90mm ~ 21.60mm
Native offset	112% (±5%)
Lens shift	n/a

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## Connectivity

Connections - Inputs	2 x HDMI 1.4 VGA In 2 x USB-A 2.0 Audio 3.5mm-out 3.5mm Audio-in RJ45 RS232 12V trigger 3D sync-out
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# Specification

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## General

<b>Noise level (min)</b>	29 dB
<b>Noise level (max)</b>	29 dB
<b>PC compatibility</b>	VGA,SVGA,XGA,720p,WXGA,SXGA,SXGA+,UXGA,1080p,WUXGA
<b>2D compatibility</b>	NTSC,PAL,SECAM,SDTV,HDTV,UHD
<b>3D compatibility</b>	Supports all HDMI 1.4a mandatory 3D formats (Frame pack, side-by-side, top-bottom) and up converts frame rate from 60Hz to 120Hz or 24Hz to 144Hz
<b>Security</b>	Security bar, Kensington Lock, Password protected interface
<b>OSD / display languages</b>	27 languages: Arabic, Czech, Danish, Dutch, English, Farsi, Finnish, French, German, Greek, Hungarian, Indonesian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Simplified Chinese, Spanish, Swedish, Thai, Traditional Chinese, Turkish, Vietnamese
<b>24/7 operation</b>	Yes
<b>360° operation</b>	Yes
<b>Operating conditions</b>	Max Temperature(operating): 0 ~ 40°C; Tolerance +/- 2°C, Max Altitude(operating): 10,000 ft., for 0°C~30°C, Max humidity(operating): 80% RH, non-condensing
<b>Remote control</b>	Business remote control
<b>Speaker count &amp; Watts per speaker</b>	1 x 15W
<b>Input lag</b>	32ms
<b>In the box</b>	AC power cord Remote control 2 x AAA batteries Quick start user manual

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## Networking

<b>LAN control</b>	Yes
<b>24/7 operation</b>	Yes
<b>360° operation</b>	Yes

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## Power

<b>Power supply</b>	AC 100 ~ 240 V, 50 ~ 60 Hz
<b>Power consumption (standby)</b>	≤0.5 W
<b>Power consumption (eco mode)</b>	150W @110VAC 147W @220VAC
<b>Power consumption (bright mode)</b>	210W @110VAC 205W @220VAC

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## Weight and dimensions

<b>Dimensions (W x D x H)</b>	With feet: 10.8" x 8.5" x 4.5"
<b>Gross weight</b>	4.4 kg / 9.7 lbs
<b>Net weight</b>	2.9 Kg / 6.4 lbs
<b>UPC</b>	796435 44 844 8

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## Applicable software

<b>Optoma Management Suite</b>	Yes Yes (coming soon)
<b>Optoma Smart Control App</b>	*iOS and Android App support  Optional Upgrade (use BT instead of RJ-45): USB BT Adapter (for projector) Part Number # BTUSB