

ZW521

Compact High Brightness 6,000lm WXGA Laser Projector



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)



*Brightness measured in accordance with ISO 21118

Specification

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	±3.0°
Keystone correction - vertical	±3.0°
Horizontal scan rate	15 ~ 102KHz
Vertical scan rate	24 ~ 120Hz
Displayable Colors (millions)	1073.4
Uniformity	75%
Screen size	30" ~ 300"



Light source

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

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

Connectivity

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

General

Noise level (min)	29 dB
Noise level (max)	29 dB
PC compatibility	VGA, SVGA, XGA, 720p, WXGA, SXGA, SXGA+, UXGA, 1080p, WUXGA
2D compatibility	NTSC, PAL, SECAM, SDTV, HDTV, UHD
3D compatibility	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
Security	Security bar, Kensington Lock, Password protected interface
OSD / display languages	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
24/7 operation	Yes
360° operation	Yes
Operating conditions	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
Remote control	Business remote control
Speaker count & Watts per speaker	1 x 15W
Input lag	32ms
In the box	AC power cord Remote control 2 x AAA batteries Quick start user manual

Networking

LAN control	Yes
24/7 operation	Yes
360° operation	Yes

Specification

Power

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

Weight and dimensions

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

Applicable software

Optoma Management Suite	Yes
Optoma Smart Control App	Yes (coming soon)

*iOS and Android App support

Optional Upgrade (use BT instead of RJ-45): Part Number # BTUSB
Description: USB BT Adapter (for projector)