

# ZH551

## Compact Laser Projector with Wireless Sharing

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The Optoma ZH551 Full HD laser projector delivers 5,600 lumens of high-brightness performance, featuring wireless screen sharing, centralized control and a compact, energy-efficient design ideal for classrooms, meeting rooms, and simulation environments.

Miracast wireless projection for effortless content sharing

- 5,600 ISO lumens high brightness, perfect for ambient light settings
- Centralized management with Optoma Management Suite (OMS)
- Stay-up-to-date automatically with OTA (over-the-air) technology
- Up to 30,000 hours of operation with energy-efficient DuraCore Laser



# Specification



## Display

|                                  |                           |
|----------------------------------|---------------------------|
| Technology                       | DLP™                      |
| Resolution                       | 1080p Full HD (1920x1080) |
| Brightness                       | 5,600 ISO Lumens          |
| Contrast ratio                   | 3,000,000:1               |
| Native aspect ratio              | 16:9                      |
| Aspect ratio - compatible        | 4:3, 16:9                 |
| Keystone correction - horizontal | +/-30°                    |
| Keystone correction - vertical   | +/-30°                    |
| Horizontal scan rate             | 15.375~135 KHz            |
| Vertical scan rate               | 23.97~120 Hz              |
| Uniformity                       | 75%                       |
| Screen size                      | 28" - 145" diagonal       |

## Light source

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

## Optical

|                     |                              |
|---------------------|------------------------------|
| Throw ratio         | 1.4:1 - 2.24:1               |
| Projection distance | 1m - 9.3m / 39.37" - 366.14" |
| Optical Zoom        | 1.6x                         |
| Digital Zoom        | 0.8 -2.0x                    |
| Focal length        | 20.91 mm ~ 32.62 mm          |
| Native offset       | 103.5%~ 118.6%               |
| Lens shift          | 103%~118%                    |

## Connectivity

|                       |                                      |
|-----------------------|--------------------------------------|
| Connections- Inputs   | 2 x HDMI 2.0                         |
|                       | Audio in                             |
|                       | VGA-In                               |
|                       | USB-A (5V/ 1.5A)                     |
|                       | USB-A (for Wi-Fi Dongle only)        |
| Connections - Control | Audio 3.5mm                          |
|                       | 3D sync,                             |
|                       | 1 x RJ45, 1 x RS232, 1 x 12V trigger |

# Specification

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## General

|                                   |                                                                                                                                                                                                                                                                                      |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Noise level (min)                 | 28 dB(A)                                                                                                                                                                                                                                                                             |
| Noise level (max)                 | 33 dB(A)                                                                                                                                                                                                                                                                             |
| 3D                                | Full 3D                                                                                                                                                                                                                                                                              |
| 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,<br>Max Altitude(operating): 10,000 ft., for 0°C~30°C,<br>Max humidity(operating): 80% RH, non-condensing                                                                                                                    |
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| Remote control                    | Business remote control                                                                                                                                                                                                                                                              |
| Speaker count & Watts per speaker | 15W                                                                                                                                                                                                                                                                                  |
| In the box                        | AC power cord<br>Remote control<br>2 x AAA batteries<br>EZC-USB Dual-Band Wi-Fi Adapter<br>Quick start user manual                                                                                                                                                                   |

## Networking

|             |     |
|-------------|-----|
| LAN control | Yes |
|-------------|-----|

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## Power

|                                 |                                  |
|---------------------------------|----------------------------------|
| Power supply                    | AC 100 ~ 240 V, 50 ~ 60 Hz       |
| Power consumption (standby)     | ≤0.5 W                           |
| Power consumption (eco mode)    | 200W ±15%@110V<br>195W ±15%@220V |
| Power consumption (bright mode) | 230W ±15%@110V<br>225W ±15%@220V |

# Specification

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## Weight and dimensions

|                        |                                                        |
|------------------------|--------------------------------------------------------|
| Dimensions (W x D x H) | 274 x 216 x 114mm (with feet) / 10.79" × 8.50" × 4.49" |
| Gross weight           | 4.38 Kg / 9.66 lbs                                     |
| Net weight             | 2.9 Kg / 6.39 lbs                                      |
| UPC                    | 796435 44 813 4                                        |