

# ZH551

Miracast Wireless Full HD laser projector



- **Bright Full HD DuraCore laser projector - 5600 lumens and IP6X certified**
- **Compact for easy installation - 1.6x zoom, 360-degree and portrait projection**
- **Optoma Management Suite (OMSC)<sup>™</sup> - Remotely manage and control your device with real-time monitoring, and scheduling, helping to reduce downtime, streamline operations, and cut operating costs.**
- **Wireless Display - Effortlessly share content with built-in wireless Miracast screen sharing**

The ZH551 is a compact, DuraCore laser projector designed for seamless collaboration and effortless management. Deliver wireless presentations and content sharing with Miracast and streamline your operations with the support of Optoma Management Suite (OMSC)<sup>™</sup> to remotely monitor and control your devices. Combining powerful performance, wireless technology and flexible installation, the ZH551 is perfectly geared for educational and professional spaces.



# Specifications

|                                     |                                                                                                                                                                                                                                                                            |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EAN: 5055387669062 , Colour: White  |                                                                                                                                                                                                                                                                            |
| UPC: 796435 44 813 4, Colour: White |                                                                                                                                                                                                                                                                            |
| <b>Display/image</b>                |                                                                                                                                                                                                                                                                            |
| Display technology                  | DLP®                                                                                                                                                                                                                                                                       |
| Resolution                          | 1080p Full HD (1920x1080)                                                                                                                                                                                                                                                  |
| Brightness                          | 5,600 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°                                                                                                                                                                                                                                                                        |
| Displayable colours (millions)      | 1073.4                                                                                                                                                                                                                                                                     |
| Uniformity                          | 75%                                                                                                                                                                                                                                                                        |
| Screen size                         | 0.51m ~ 7.62m (20" ~ 300") diagonal                                                                                                                                                                                                                                        |
| <b>Lamp info</b>                    |                                                                                                                                                                                                                                                                            |
| Light source type                   | Laser                                                                                                                                                                                                                                                                      |
| LASER life                          | 30,000 hours                                                                                                                                                                                                                                                               |
| <b>Optical</b>                      |                                                                                                                                                                                                                                                                            |
| Throw ratio                         | 1.4:1 ~ 2.24:1                                                                                                                                                                                                                                                             |
| Projection distance (m)             | 1m - 9.3m                                                                                                                                                                                                                                                                  |
| Zoom                                | 1.6                                                                                                                                                                                                                                                                        |
| Zoom type                           | Manual                                                                                                                                                                                                                                                                     |
| Focal length (mm)                   | 20.91 ~ 32.62                                                                                                                                                                                                                                                              |
| Lens shift                          | Vertical +15%                                                                                                                                                                                                                                                              |
| Native offset                       | 118%                                                                                                                                                                                                                                                                       |
| Lens shift                          | Yes - see product downloads for more information                                                                                                                                                                                                                           |
| <b>Connectivity</b>                 |                                                                                                                                                                                                                                                                            |
| Connections                         | <b>Inputs</b> 2 x HDMI 2.0, 1 x Audio 3.5mm, 1 x 3D sync, 1 x VGA<br><b>Outputs</b> 1 x Audio 3.5mm, 2 x USB-A power 1.5A<br><b>Control</b> 1 x RS232, 1 x RJ45, 1 x 12V trigger                                                                                           |
| <b>General</b>                      |                                                                                                                                                                                                                                                                            |
| Noise level (min)                   | 28dB                                                                                                                                                                                                                                                                       |
| Noise level (max)                   | 30dB                                                                                                                                                                                                                                                                       |
| PC compatibility                    | FHD, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac                                                                                                                                                                                                                             |
| 2D compatibility                    | Refer to User Manual OSD tree                                                                                                                                                                                                                                              |
| 3D compatibility                    | Yes (DLP 3D; PC frame sequential 120Hz 3D, Blu-ray DVD 3D)                                                                                                                                                                                                                 |
| 3D                                  | Full 3D                                                                                                                                                                                                                                                                    |
| Security                            | Security bar, Kensington Lock, Password protected interface                                                                                                                                                                                                                |
| IP rating                           | IP6X                                                                                                                                                                                                                                                                       |
| OSD / display languages             | 25 languages: Arabic, Czech, Danish, Dutch, English, Farsi, Finnish, French, German, Greek, Hungarian, Indonesian, Italian, Japanese, Norwegian, Polish, Portuguese, Romanian, Russian, Chinese (simplified), Spanish, Swedish, Chinese (traditional), Turkish, Vietnamese |
| 24/7 operation                      | Yes                                                                                                                                                                                                                                                                        |
| 360° operation                      | Yes                                                                                                                                                                                                                                                                        |
| Operating conditions                | 0°C ~ 40°C, Max. Humidity 80%, Max. Altitude 2,500m                                                                                                                                                                                                                        |
| Remote control                      | Card style                                                                                                                                                                                                                                                                 |
| Speaker count                       | 1                                                                                                                                                                                                                                                                          |
| Watts per speaker                   | 15W                                                                                                                                                                                                                                                                        |
| In the box                          | AC power cord<br>Remote control<br>2x AAA batteries<br>EZC-USB WiFi dongle<br>Basic user manual                                                                                                                                                                            |
| <b>Power</b>                        |                                                                                                                                                                                                                                                                            |
| Power supply                        | External power supply, 100V ~ 240V, 50-60Hz                                                                                                                                                                                                                                |
| Power consumption (standby)         | <0.5W                                                                                                                                                                                                                                                                      |
| Power consumption (min)             | 155W                                                                                                                                                                                                                                                                       |
| Power consumption (max)             | 245W                                                                                                                                                                                                                                                                       |
| <b>Weight and dimensions</b>        |                                                                                                                                                                                                                                                                            |
| Dimensions (W x D x H) mm           | 274 x 216 x 108                                                                                                                                                                                                                                                            |
| Gross weight                        | 4.3 kg                                                                                                                                                                                                                                                                     |
| Net weight                          | 2.9 kg                                                                                                                                                                                                                                                                     |

